



SINCE - 1976

Transportation Cable

IMSA • TRAFFIC • AIRPORT



**Metro
Wire**[®]
— & CABLE CORP.
ATLANTA DETROIT IOWA CITY

www.metrowire.net

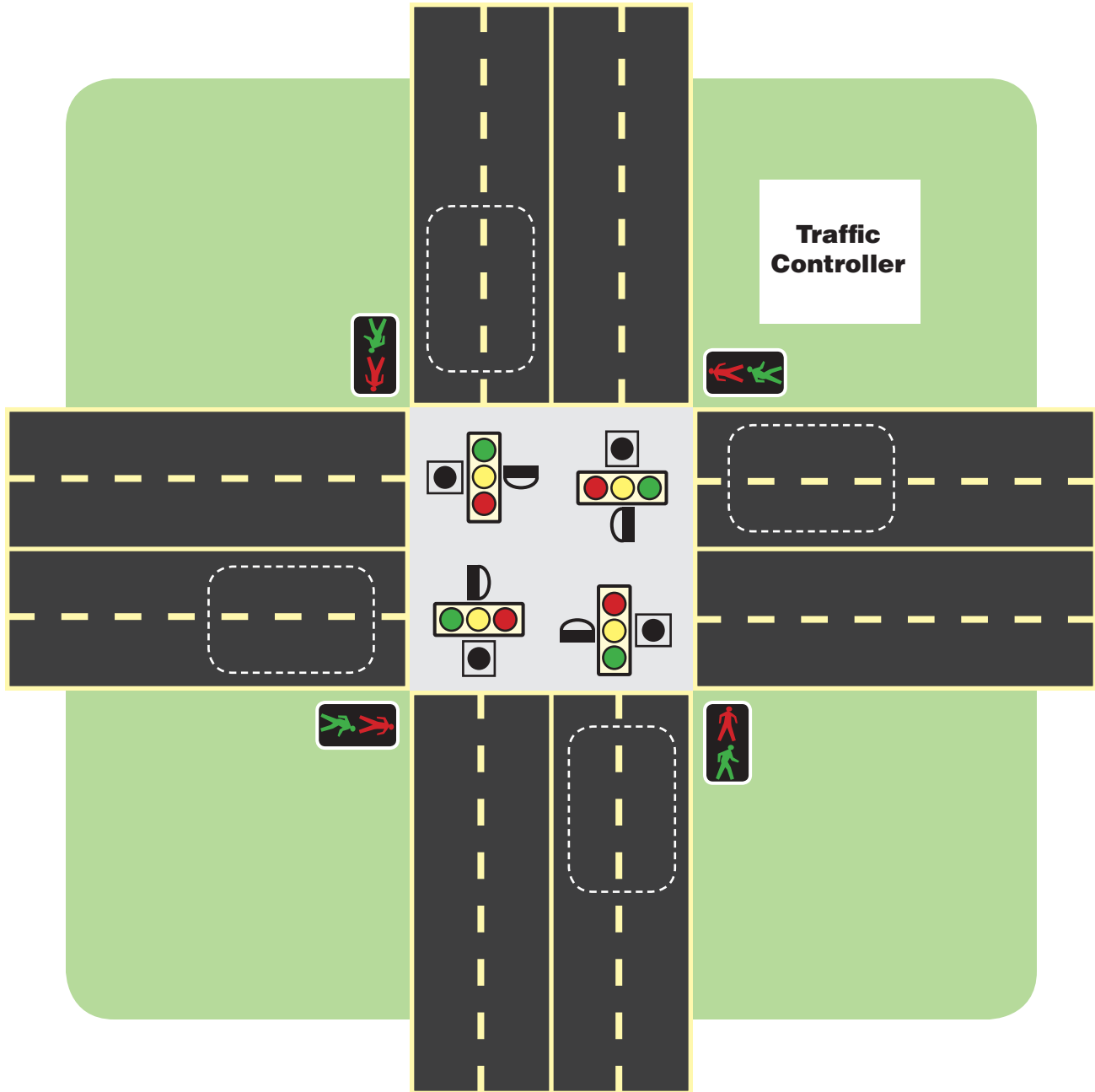
Index

PAGE	ITEM	TYPE INSTALLATION
3	19-1 SOLID	AERIAL, DUCT
2	19-1 STRANDED	AERIAL, DUCT
4	19-2	AERIAL, DUCT
5	19-3	FIGURE 8, AERIAL
4	19-4	FIGURE 8, AERIAL, SELF-SUPPORTING
7	19-5	DIRECT BURIAL
8	19-6	DIRECT BURIAL
9	20-1 SOLID	AERIAL, DUCT
10&11	20-1 STRANDED	AERIAL, DUCT
12	20-2	AERIAL, DUCT
6	20-3	FIGURE 8, AERIAL, SELF-SUPPORTING
5	20-4	FIGURE 8, AERIAL, SELF-SUPPORTING
7	20-5	DIRECT BURIAL
8	20-6	DIRECT BURIAL
13	26-3 & 28-3	AERIAL
13	29-1 & 29-2	AERIAL
12	39-2	AERIAL, DUCT
13	39-4	FIGURE-8, AERIAL, SELF-SUPPORTING
14	39-6	DIRECT BURIAL
15	40-2	AERIAL, DUCT
14	40-4	FIGURE-8, AERIAL, SELF-SUPPORTING
15	40-6	DIRECT BURIAL
16	50-2	DIRECT BURIAL
16	50-2 GDOT	DIRECT BURIAL
17	51-1	LOOP DETECTOR WIRE
17	51-3	LOOP DETECTOR WIRE
18	51-5	LOOP DETECTOR WIRE TUBE TYPE
19	51-7	LOOP DETECTOR WIRE TUBE TYPE
18	59-2	AERIAL, DUCT
19	59-6	DIRECT BURIAL
19	60-2	AERIAL, DUCT
20	60-6	DIRECT BURIAL
32	BARE COPPER	OVERHEAD, DIRECT BURIAL
25	BELDEN 7958A	OUTDOOR USE
21	EMERGENCY VEHICLE PREEMPTION CABLE	OPTICAL PREEMPTION DIRECT BURIAL
30	EPR/CPE-RHH-RHW-USE-2 COPPER 90C 2KV	CONDUIT, DUCT, TRAY, DIRECT BURIAL OR AERIAL
29	EPR/CPE-RHH-RHW-USE-2 COPPER 90C 600 VOLT	CONDUIT, DUCT, TRAY, DIRECT BURIAL OR AERIAL
35	FAA-L-824-B	AERIAL, DUCT, CONDUIT OR DIRECT BURIAL AIRPORT LIGHTING
35	FAA-L-824-C	AERIAL, DUCT, CONDUIT OR DIRECT BURIAL AIRPORT LIGHTING
34	GALVANIZED STEEL	OVERHEAD GROUND OR GUY WIRE
36	IMSA COLOR CODE CHART	IMSA SPECIFICATIONS
25	ITERIS PRECISION CAMERA CABLE	OUTDOOR AND DIRECT BURIAL USE
33	OVERHEAD CU COVERED LINE WIRE	OUTDOOR POLE TO WEATHERHEAD
24	PRECISION VIDEO COAX BELDEN 8281	OUTDOOR USE
31	THHN / THWN / MTW / AWM 90C/75C 600 VOLT	CONDUIT OR RACEWAY
23	THREE COMPONENT CAMERA CABLE	VIDEO DETECTION
23	THREE COMPONENT HI FLEX CAMERA CABLE	VIDEO DETECTION
24	TRAFFIC COMMUNICATION CABLE	DIRECT BURIAL
35	TRAFFIC LOOP SEALANT	WEATHERPROOF SEAL
21	TRAFFIC SENSING SYSTEM CABLE	DIRECT BURIAL
20	TWIN 8 STREET LIGHTING CABLE	UNDERGROUND CIRCUIT TO LIGHTING FIXTURE
22	VIDEO DETECTION PE/PE	CAMERA CABLE, DIRECT BURIAL, CONDUIT OR OVERHEAD WITH MESSENGER
21	VIDEO DETECTION PVC/NYLON/PVC	DIRECT BURIAL, CONDUIT OR OVERHEAD WITH MESSENGER
22	VIDEO DETECTION TWO COMPONENT CAMERA CABLE	VIDEO DETECTION
26	XHHW-2 COPPER 90C 600 VOLT	CONDUIT OR RACEWAY
28	XLP-RHH-RHW-USE-2 ALUMINUM 90C 600 VOLT	RACEWAY, CONDUIT, TUBING, MESSENGER SUPPORT OR DIRECT BURIAL
27	XLP-RHH-RHW-USE-2 COPPER 90C 600 VOLT	RACEWAY, DUCT, DIRECT BURIAL OR AERIAL
IBC	Terms and Conditions	

All information, data, dimension, and weight tables in this catalog have been carefully compiled and thoroughly checked. However, no responsibility for possible errors or omissions can be assumed by Metro Wire & Cable.

Metro Wire & Cable reserves the right to change specifications, and other information included in this catalog as well as discontinuing the manufacture of any product without notice.

Traffic Intersection Diagram



TRAFFIC LIGHTS – TRAFFIC SIGNAL CABLE IS USED TO CONNECT THE TRAFFIC LIGHT TO THE TRAFFIC CONTROLLER. PED HEADS AND THE NUMBER OF LIGHTS WILL DETERMINE THE CONDUCTOR COUNT.



EVP DEVICE – MOUNTED NEXT TO THE TRAFFIC LIGHTS, THIS DEVICE IS USED FOR EMERGENCY VEHICLES TO PREEMPT THE TRAFFIC LIGHT TO CHANGE THE SIGNAL TO THEIR FAVOR. THE EVP DEVICE MANUFACTURER WILL DETERMINE THE TYPE OF CABLE NEEDED.



PED HEADS – PED HEADS ARE CONNECTED TO THE TRAFFIC CONTROLLER WITH TRAFFIC SIGNAL CABLE. THE NUMBER OF PED HEADS AND THE NUMBER OF LIGHTS WILL DETERMINE THE CONDUCTOR COUNT OF THE TRAFFIC SIGNAL CABLE.



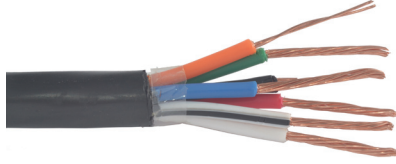
LOOP DETECTOR – INSTALLED IN THE ROADWAY PAVEMENT AT INTERSECTIONS, THESE WIRES DETECT VEHICLES. A SIGNAL IS TRANSMITTED TO THE TRAFFIC CONTROLLER TO ACTIVATE LIGHT CHANGES. LOOP DETECTORS ARE USED IN PLACE OF VIDEO DETECTION IN SOME INTERSECTIONS.



VIDEO DETECTION – ANOTHER WAY TO DETERMINE IF VEHICLES ARE IN THE INTERSECTION OR ARE ON THE ROADWAY ARE BY VIDEO CAMERAS LOCATED NEAR THE TRAFFIC LIGHTS. SPECIFIC CABLES ARE USED FOR EACH CAMERA, AS DETERMINED BY THE CAMERA MANUFACTURER. VIDEO DETECTION IS USED IN PLACE OF LOOP DETECTORS IN SOME INTERSECTIONS.

TRAFFIC SIGNAL IMSA 19-1 PE/PVC 600 VOLT

STRANDED



CONSTRUCTION: STRANDED BARE COPPER, POLYETHYLENE INSULATION, COLOR CODED, CABLED, POLYESTER BINDER TAPE, RIPCORD, BLACK SUNLIGHT RESISTANT POLYVINYL CHLORIDE (PVC) JACKET 600 VOLT, 75C WET OR DRY.

APPLICATIONS: FOR USE IN OUTDOOR TRAFFIC SIGNALS, TRAFFIC CONTROL SYSTEMS, UNDERGROUND CONDUIT OR AERIAL USE WITH MESSENGER.

CATALOG NUMBER	AWG SIZE	NO. OF COND	COND STR	INSULATION THICKNESS	JACKET THICKNESS	O.D INCHES	APPROX WGHT (Lbs./MFT)
MWC-6979	16	2	7	.025	.045	.322	58
MWC-6988	16	3	7	.025	.045	.339	75
MWC-6938	16	4	7	.025	.045	.369	94
MWC-6989	16	5	7	.025	.045	.402	113
MWC-6990	16	7	7	.025	.045	.435	146
MWC-6991	16	9	7	.025	.060	.538	186
MWC-6992	16	10	7	.025	.060	.586	220
MWC-6993	16	12	7	.025	.060	.597	254
MWC-6994	16	16	7	.025	.060	.660	325
MWC-6996	16	20	7	.025	.060	.737	385

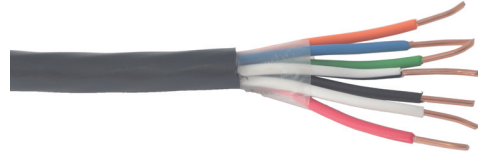
MWC-6101	14	2	7	.025	.045	.337	61
MWC-6105	14	3	7	.025	.045	.354	78
MWC-6109	14	4	7	.025	.045	.384	97
MWC-6113	14	5	7	.025	.045	.417	116
MWC-6117	14	7	7	.025	.045	.450	149
MWC-6121	14	9	7	.025	.060	.553	189
MWC-6125	14	10	7	.025	.060	.595	223
MWC-6129	14	12	7	.025	.060	.613	257
MWC-9487	14	14	7	.025	.060	.641	300
MWC-9488	14	15	7	.025	.060	.675	325
MWC-6133	14	16	7	.025	.060	.678	350
MWC-6137	14	19	7	.025	.060	.740	390
MWC-6141	14	20	7	.025	.060	.780	415
MWC-6145	14	21	7	.025	.060	.780	430
MWC-6149	14	25	7	.025	.060	.900	540
MWC-6995	14	26	7	.025	.060	.900	560

MWC-6103	12	2	7	.030	.045	.376	84
MWC-6107	12	3	7	.030	.045	.397	110
MWC-6111	12	4	7	.030	.045	.434	139
MWC-6115	12	5	7	.030	.045	.475	168
MWC-6119	12	7	7	.030	.045	.580	242
MWC-6123	12	9	7	.030	.060	.634	300
MWC-6127	12	10	7	.030	.060	.688	321
MWC-6131	12	12	7	.030	.060	.730	402
MWC-6135	12	16	7	.030	.080	.820	535
MWC-6139	12	19	7	.030	.080	.900	623
MWC-6143	12	20	7	.030	.080	.940	652
MWC-6147	12	21	7	.030	.080	.915	682
MWC-6151	12	25	7	.030	.080	1.010	798

NOTE: THE DATA SHOWN IS AN APPROXIMATE AND SUBJECT TO STANDARD INDUSTRY TOLERANCE.

TRAFFIC SIGNAL IMSA 19-1 PE/PVC 600 VOLT

SOLID



CONSTRUCTION: SOLID BARE COPPER, POLYETHYLENE INSULATION, COLOR CODED, CABLED, POLYESTER BINDER TAPE, RIPCORD, BLACK SUNLIGHT RESISTANT POLYVINYL CHLORIDE (PVC) JACKET 600 VOLT, 75C WET OR DRY

APPLICATIONS: FOR USE IN OUTDOOR TRAFFIC SIGNALS, TRAFFIC CONTROL SYSTEMS, UNDERGROUND CONDUIT OR AERIAL USE WITH MESSENGER.

CATALOG NUMBER	AWG SIZE	NO. OF COND	COND STR	INSULATION THICKNESS	JACKET THICKNESS	O.D. INCHES	APPROX WGHT (Lbs./MFT)
MWC-6100	14	2	SOLID	.25	.045	.322	58
MWC-6104	14	3	SOLID	.25	.045	.339	75
MWC-6108	14	4	SOLID	.25	.045	.369	94
MWC-6112	14	5	SOLID	.25	.045	.402	113
MWC-6116	14	7	SOLID	.25	.045	.435	146
MWC-6120	14	9	SOLID	.25	.060	.538	186
MWC-6124	14	10	SOLID	.25	.060	.580	220
MWC-6128	14	12	SOLID	.25	.060	.597	254
MWC-9489	14	14	SOLID	.25	.060	.626	275
MWC-9490	14	15	SOLID	.25	.060	.660	325
MWC-6132	14	16	SOLID	.25	.060	.662	350
MWC-6136	14	19	SOLID	.25	.060	.694	378
MWC-6140	14	20	SOLID	.25	.060	.729	398
MWC-6144	14	21	SOLID	.25	.060	.731	416
MWC-6148	14	25	SOLID	.25	.060	.808	481
MWC-9491	14	26	SOLID	.25	.060	.810	504

MWC-6102	12	2	SOLID	.030	.045	.376	58
MWC-6106	12	3	SOLID	.030	.045	.397	108
MWC-6110	12	4	SOLID	.030	.045	.434	135
MWC-6114	12	5	SOLID	.030	.045	.475	163
MWC-6118	12	7	SOLID	.030	.045	.540	237
MWC-6122	12	9	SOLID	.030	.060	.603	281
MWC-6126	12	10	SOLID	.030	.060	.630	338
MWC-6130	12	12	SOLID	.030	.060	.709	372
MWC-6134	12	16	SOLID	.030	.060	.787	449
MWC-6138	12	19	SOLID	.030	.060	.829	600
MWC-6142	12	20	SOLID	.030	.080	.913	631
MWC-6146	12	21	SOLID	.030	.080	.965	650
MWC-6150	12	25	SOLID	.030	.080	.965	700

RATINGS:

INTERNATIONAL MUNICIPAL SIGNAL ASSOCIATION, INC. SPECIFICATION 19-1
 POLYETHYLENE INSULATION CONFORMING TO UL 62, COLD BEND TESTED TO -55C.
 POLYVINYL CHLORIDE JACKET CONFORMING TO UL 62, COLD BEND TESTED TO -35C.

COLOR CODE

1 BLACK	8 RED/BLACK	15 BLUE/WHITE	21 ORANGE/GREEN
2 WHITE	9 GREEN/BLACK	16 BLACK/RED	22 BLACK-WHITE/RED
3 RED	10 ORANGE/BLACK	17 WHITE/RED	23 WHITE-BLACK/RED
4 GREEN	11 BLUE/BLACK	18 ORANGE/RED	24 RED-BLACK/WHITE
5 ORANGE	12 BLACK/WHITE	19 BLUE/RED	25 GREEN-BLACK/WHITE
6 BLUE	13 RED/WHITE	20 RED/GREEN	26 ORANGE-BLACK/WHITE
7 WHITE/BLACK	14 GREEN/WHITE		

NOTE: THE DATA SHOWN IS AN APPROXIMATE AND SUBJECT TO STANDARD INDUSTRY TOLERANCE.

IMSA 19-2 SIGNAL AND COMMUNICATIONS CABLE

AERIAL AND DUCT, PVC, 600 VOLT

CONSTRUCTION: SOLID BARE COPPER, PE INSULATION, TWISTED PAIRS, .005 CORRUGATED COPPER TAPE SHIELD, OVERALL PVC JACKET, 600 VOLT

APPLICATIONS: USED IN DUCT AND AERIAL FOR SIGNAL AND COMMUNICATIONS

CATALOG NUMBER	AWG SIZE	NO. OF COND	COND STR	JACKET THICKNESS	O.D INCHES	APPROX WGHT (Lbs./MFT)
MWC-7061	14	1 PR	SOLID	.045	.440	106
MWC-7062	14	2 PR	SOLID	.045	.640	195
MWC-7063	14	4 PR	SOLID	.060	.700	295
MWC-7064	14	6 PR	SOLID	.060	.880	350
MWC-7065	14	8 PR	SOLID	.060	.980	490
MWC-7066	16	3 PR	SOLID	.060	.595	165
MWC-7067	16	6 PR	SOLID	.060	.715	340
MWC-7068	16	12 PR	SOLID	.080	.955	425

IMSA 19-4 FIGURE-8 SIGNAL AND COMMUNICATIONS CABLE

SELF-SUPPORTING AERIAL, PVC, 600 VOLT

CONSTRUCTION: SOLID BARE COPPER, PE INSULATION, TWISTED PAIRS, COPPER TAPE SHIELD, 1/4" SEVEN-WIRE EXTRA HIGH STRENGTH FLOODED GALVANIZED STEEL STRAND INTEGRATED MESSENGER, OVERALL PVC JACKET, 600 VOLT

APPLICATION: SELF-SUPPORTING AERIAL USE FOR SIGNAL AND COMMUNICATIONS

CATALOG NUMBER	AWG SIZE	NO. OF COND	COND STR	JACKET THICKNESS	O.D INCHES	APPROX WGHT (Lbs./MFT)
MWC-7037	16	3 PR	SOLID	.060	.626 x 1.096	325
MWC-7039	16	6 PR	SOLID	.060	.686 x 1.156	435
MWC-7047	19	6 PR	SOLID	.045	.666 x 1.136	315

COLOR CODE

1 WHITE/BLUE	5 WHITE/SLATE	9 RED/BROWN
2 WHITE/ORANGE	6 RED/BLUE	10 RED/SLATE
3 WHITE/GREEN	7 RED/ORANGE	11 BLACK/BLUE
4 WHITE/BROWN	8 RED/GREEN	12 BLACK/ORANGE

NOTE: THE DATA SHOWN IS AN APPROXIMATE AND SUBJECT TO STANDARD INDUSTRY TOLERANCE.

IMSA 20-4 FIGURE-8 SIGNAL AND COMMUNICATIONS CABLE

SELF-SUPPORTING AERIAL, PE, 600 VOLT

CONSTRUCTION: SOLID OR STRANDED BARE COPPER, PE INSULATION, TWISTED PAIRS, COPPER TAPE SHIELD, 1/4" SEVEN-WIRE EXTRA HIGH STRENGTH FLOODED GALVANIZED STEEL STRAND INTEGRATED MESSENGER, PE JACKET OVERALL, 600 VOLT

APPLICATION: SELF-SUPPORTING AERIAL USE FOR SIGNAL AND COMMUNICATIONS

CATALOG NUMBER	AWG SIZE	NO. OF COND	COND STR	JACKET THICKNESS	APPROX WGHT (Lbs./MFT)
MWC-7048	16	3 PR	SOLID	.060	292
MWC-7059	16	6 PR	SOLID	.060	375
MWC-7060	19	6 PR	STR	.045	315

COLOR CODE

1 WHITE/BLUE	8 RED/GREEN
2 WHITE/ORANGE	9 RED/BROWN
3 WHITE/GREEN	10 RED/SLATE
4 WHITE/BROWN	11 BLACK/BLUE
5 WHITE/SLATE	12 BLACK/ORANGE
6 RED/BLUE	
7 RED/ORANGE	

TRAFFIC SIGNAL IMSA 19-3 FIGURE-8 PE/PVC 600 VOLT

CONSTRUCTION: 14 & 12 SOLID OR STRANDED BARE COPPER, POLYETHYLENE INSULATION, COLOR CODED, CABLED, POLYESTER BINDER TAPE, BLACK SUNLIGHT RESISTANT POLYVINYL CHLORIDE (PVC) JACKET WITH INTEGRATED 1/4" EXTRA HIGH STRENGTH GALVANIZED MESSENGER, 600 VOLT 75C WET OR DRY

APPLICATIONS: FOR OUTDOOR OR INDOOR USE, TRAFFIC SIGNALS, TRAFFIC CONTROL SYSTEMS OR AERIAL USE.

CATALOG NUMBER	AWG SIZE	NO. OF COND	COND STR	INSULATION THICKNESS	JACKET THICKNESS	APPROX WGHT (Lbs./MFT)
MWC-6858	14	2	SOLID	.025	.045	115
MWC-6859	14	3	SOLID	.025	.045	150
MWC-6783	14	4	SOLID	.025	.045	170
MWC-6860	14	5	SOLID	.025	.045	257
MWC-6863	14	7	SOLID	.025	.045	300
MWC-6784	14	7	STRANDED	.025	.045	321
MWC-6785	14	9	SOLID	.025	.045	356
MWC-6866	14	10	SOLID	.025	.045	375
MWC-6869	14	12	SOLID	.025	.045	390
MWC-6870	14	16	SOLID	.025	.045	453
MWC-6871	14	20	SOLID	.025	.045	528

COLOR CODE

1 BLACK
2 WHITE
3 RED
4 GREEN
5 ORANGE
6 BLUE
7 WHITE/BLACK
8 RED/BLACK
9 GREEN/BLACK
10 ORANGE/BLACK
11 BLUE/BLACK
12 BLACK/WHITE
13 RED/WHITE
14 GREEN/WHITE
15 BLUE/WHITE
16 BLACK/RED
17 WHITE/RED
18 ORANGE/RED
19 BLUE/RED
20 RED/GREEN

MWC-6872	12	2	SOLID	.025	.045	140
MWC-6786	12	2	STRANDED	.025	.045	170
MWC-6875	12	3	SOLID	.025	.045	190
MWC-6878	12	5	SOLID	.025	.045	306
MWC-6787	12	5	STRANDED	.025	.045	320
MWC-6881	12	7	SOLID	.025	.045	356
MWC-6884	12	9	SOLID	.025	.045	425

NOTE: THE DATA SHOWN IS AN APPROXIMATE AND SUBJECT TO STANDARD INDUSTRY TOLERANCE.

TRAFFIC SIGNAL IMSA 20-3 FIGURE-8 PE/PE 600 VOLT

CONSTRUCTION: SOLID OR STRANDED BARE COPPER, POLYETHYLENE INSULATION, COLOR CODED, CABLED, POLYESTER BINDER TAPE, BLACK SUNLIGHT RESISTANT POLYETHYLENE JACKET WITH INTEGRATED 1/4" EXTRA HIGH STRENGTH GALVANIZED MESSENGER, 600 VOLT 75C WET OR DRY

APPLICATIONS: FOR USE IN OUTDOOR TRAFFIC SIGNALS AND TRAFFIC CONTROL SYSTEMS. FOR AERIAL USE.

CATALOG NUMBER	AWG SIZE	NO. OF COND	COND STR	INSULATION THICKNESS	JACKET THICKNESS	APPROX WGT (Lbs./MFT)
MWC-6887	14	2	SOLID	.025	.045	215
MWC-9002	14	3	SOLID	.025	.045	230
MWC-6788	14	3	STRANDED	.025	.045	221
MWC-6789	14	4	SOLID	.025	.045	285
MWC-6790	14	4	STRANDED	.025	.045	194
MWC-6791	14	5	SOLID	.025	.045	256
MWC-6792	14	7	SOLID	.025	.045	289
MWC-6793	14	7	STRANDED	.025	.045	295
MWC-6794	14	9	SOLID	.025	.045	328
MWC-6795	14	10	SOLID	.025	.060	355
MWC-6796	14	10	STRANDED	.025	.060	366
MWC-6797	14	12	SOLID	.025	.060	388
MWC-6798	14	16	SOLID	.025	.060	456
MWC-6799	14	20	SOLID	.025	.060	528

MWC-6892	12	2	SOLID	.025	.045	240
MWC-6894	12	3	SOLID	.025	.045	275
MWC-6800	12	3	STRANDED	.025	.045	258
MWC-6801	12	5	SOLID	.025	.045	307
MWC-6802	12	7	SOLID	.025	.045	356
MWC-6803	12	7	STRANDED	.025	.060	362
MWC-6804	12	12	SOLID	.025	.060	502

INTERNATIONAL MUNICIPAL SIGNAL ASSOCIATION, INC. SPECIFICATION 20-3.
 POLYETHYLENE INSULATION CONFORMING TO UL 62, COLD BEND TESTED TO -55C.
 POLYETHYLENE JACKET CONFORMING TO ASTM D-2633, COLD BEND TESTED TO -55C.

COLOR CODE

1 BLACK	7 WHITE/BLACK	13 RED/WHITE	19 BLUE/RED	24 RED-BLACK/WHITE
2 WHITE	8 RED/BLACK	14 GREEN/WHITE	20 RED/GREEN	25 GREEN-BLACK/WHITE
3 RED	9 GREEN/BLACK	15 BLUE/WHITE	19 BLUE/RED	26 ORANGE-BLACK/WHITE
4 GREEN	10 ORANGE/BLACK	16 BLACK/RED	21 ORANGE/GREEN	
5 ORANGE	11 BLUE/BLACK	17 WHITE/RED	22 BLACK-WHITE/RED	
6 BLUE	12 BLACK/WHITE	18 ORANGE/RED	23 WHITE-BLACK/RED	

NOTE: THE DATA SHOWN IS AN APPROXIMATE AND SUBJECT TO STANDARD INDUSTRY TOLERANCE.

IMSA 19-5 SIGNAL CABLE

DIRECT BURIAL, PVC, 600 VOLT

CONSTRUCTION: SOLID BARE COPPER, COLOR CODED INSULATION, POLYETHYLENE INNER JACKET, COPPER TAPE SHIELD BETWEEN JACKETS, BLACK PVC OUTER JACKET, 600 VOLT, 75C WET OR DRY

CATALOG NUMBER	AWG SIZE	NO. OF COND	NOMINAL JACKET THICKNESS		O.D. INCHES	APPROX WGHT (Lbs./MFT)
			INNER	OUTER		
MWC-1708	14	4	0.045	.060	.585	185
MWC-1709*	14	4	0.045	.060	.580	155
MWC-1710**	14	4	0.045	.060	.585	185
MWC-1711	14	7	0.045	.060	.645	250
MWC-1712	12	4	0.045	.060	.650	245

IMSA 20-5 SIGNAL CABLE

DIRECT BURIAL, PE, 600 VOLT

CONSTRUCTION: SOLID BARE COPPER, COLOR CODED INSULATION, POLYETHYLENE INNER JACKET, COPPER TAPE SHIELD BETWEEN JACKETS, BLACK PE OUTER JACKET, 600 VOLT, 75C WET OR DRY

CATALOG NUMBER	AWG SIZE	NO. OF COND	NOMINAL JACKET THICKNESS		O.D. INCHES	APPROX WGHT (Lbs./MFT)
			INNER	OUTER		
MWC-1713	14	4	0.045	.060	.585	150
MWC-1714*	14	4	0.045	.060	.580	155
MWC-1715**	14	4	0.045	.060	.585	185
MWC-1716	14	7	0.045	.060	.645	250
MWC-1717	12	4	0.045	.060	.650	245

*RED OUTER JACKET, NO SHIELD
 **RED OUTER JACKET, SHIELDED

COLOR CODE

1 BLACK	5 ORANGE
2 WHITE	6 BLUE
3 RED	7 WHITE/BLACK
4 GREEN	

NOTE: THE DATA SHOWN IS AN APPROXIMATE AND SUBJECT TO STANDARD INDUSTRY TOLERANCE.

IMSA 19-6 SIGNAL AND COMMUNICATIONS CABLE

DIRECT BURIAL, PVC, 600 VOLT

CONSTRUCTION: SOLID BARE COPPER CONDUCTOR, COLOR CODED PE INSULATION, PE INNER JACKET, COPPER TAPE SHIELD BETWEEN JACKETS, BLACK PVC OUTER JACKET, 600 VOLT, 75C WET OR DRY.

CATALOG NUMBER	AWG SIZE	NO. OF PAIRS	NOMINAL JACKET THICKNESS		NOMINAL O.D.	APPROX WGHT (Lbs./MFT)
			INNER	OUTER		
MWC-5428	16	3	0.045	.060	.760	200
MWC-5429	16	6	0.045	.060	.860	325
MWC-5430	16	12	0.060	.080	1.056	550
MWC-5931	14	2	0.045	.060	.650	220
MWC-1133	14	4	0.045	.060	.750	315
MWC-1134	14	6	0.045	.060	.980	385
MWC-1135	14	8	0.045	.080	1.100	535

IMSA 20-6 SIGNAL AND COMMUNICATIONS CABLE

DIRECT BURIAL, PE, 600 VOLT

CONSTRUCTION: SOLID BARE COPPER CONDUCTOR, COLOR CODED PE INSULATION, PE INNER JACKET, COPPER TAPE SHIELD BETWEEN JACKETS, BLACK PE OUTER JACKET, 600 VOLT, 75C WET OR DRY.

CATALOG NUMBER	AWG SIZE	NO. OF PAIRS	NOMINAL JACKET THICKNESS		NOMINAL O.D.	APPROX WGHT (Lbs./MFT)
			INNER	OUTER		
MWC-1140	16	3	0.045	.060	.760	166
MWC-1141	16	6	0.045	.060	.860	252
MWC-1142	16	12	0.060	.080	1.056	550
MWC-1143	14	2	0.045	.060	.650	220
MWC-1145	14	4	0.045	.060	.750	315
MWC-1146	14	6	0.045	.060	.980	385
MWC-1147	14	8	0.045	.080	1.100	535

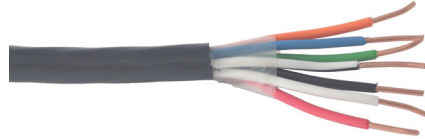
COLOR CODE

1 WHITE/BLUE	5 WHITE/SLATE	9 RED/BROWN
2 WHITE/ORANGE	6 RED/BLUE	10 RED/SLATE
3 WHITE/GREEN	7 RED/ORANGE	11 BLACK/BLUE
4 WHITE/BROWN	8 RED/GREEN	12 BLACK/ORANGE

NOTE: THE DATA SHOWN IS AN APPROXIMATE AND SUBJECT TO STANDARD INDUSTRY TOLERANCE.

TRAFFIC SIGNAL IMSA 20-1 PE/PE 600 VOLT

SOLID



CATALOG NUMBER	AWG SIZE	NO. OF COND	COND STR	INSULATION THICKNESS	JACKET THICKNESS	O.D INCHES	APPROX WGHT (Lbs./MFT)
MWC-1031	16	2	SOLID	.025	.045	.299	40
MWC-1109	16	3	SOLID	.025	.045	.325	70
MWC-1112	16	5	SOLID	.025	.045	.365	108
MWC-1118	16	7	SOLID	.025	.045	.415	133
MWC-1119	16	10	SOLID	.025	.045	.480	205
MWC-1121	16	12	SOLID	.025	.060	.492	240
MWC-6152	14	2	SOLID	.025	.045	.250	52
MWC-6156	14	3	SOLID	.025	.045	.340	68
MWC-6160	14	4	SOLID	.025	.045	.369	85
MWC-6164	14	5	SOLID	.025	.045	.402	103
MWC-6168	14	7	SOLID	.025	.045	.437	137
MWC-6172	14	9	SOLID	.025	.060	.537	184
MWC-6176	14	10	SOLID	.025	.060	.581	203
MWC-6180	14	12	SOLID	.025	.060	.599	235
MWC-7009	14	14	SOLID	.025	.060	.626	280
MWC-7014	14	15	SOLID	.025	.060	.660	297
MWC-7015	14	16	SOLID	.025	.060	.661	302
MWC-6188	14	19	SOLID	.025	.060	.696	353
MWC-6192	14	20	SOLID	.025	.060	.725	371
MWC-6196	14	21	SOLID	.025	.060	.731	386
MWC-6200	14	25	SOLID	.025	.060	.810	481
MWC-7016	14	26	SOLID	.025	.060	.808	501
MWC-6154	12	2	SOLID	.025	.045	.375	72
MWC-6158	12	3	SOLID	.025	.045	.397	98
MWC-6162	12	4	SOLID	.025	.045	.432	125
MWC-6166	12	5	SOLID	.025	.045	.473	152
MWC-6170	12	7	SOLID	.025	.045	.545	215
MWC-6174	12	9	SOLID	.025	.060	.632	270
MWC-6178	12	10	SOLID	.025	.060	.686	299
MWC-6182	12	12	SOLID	.025	.060	.708	351
MWC-6186	12	16	SOLID	.025	.060	.775	400
MWC-6190	12	19	SOLID	.025	.060	.867	480
MWC-6194	12	20	SOLID	.025	.080	.904	609
MWC-6198	12	21	SOLID	.025	.080	.910	633
MWC-6202	12	25	SOLID	.025	.080	1.008	745

CONSTRUCTION:
SOLID BARE COPPER CONDUCTORS, POLYETHYLENE INSULATION, FILLERS AS NEEDED OR REQUIRED FOR A CIRCULAR CROSS-SECTION, A CLEAR MYLAR TAPE AND AN OVERALL BLACK SUNLIGHT RESISTANT POLYETHYLENE JACKET, -45C TO 75C WET OR DRY, 600 VOLT

APPLICATIONS:
FOR SIGNALING APPLICATIONS RATED 600V, 75C WET OR DRY, SUITABLE FOR USE IN UNDERGROUND CONDUIT OR AS AERIAL CABLE SUPPORTED BY A MESSENGER. FOR INSTALLATION IN BUILDING RACEWAYS (NOT INCLUDING TRAYS), USED AS TRAFFIC SIGNAL CABLE IN WET OR DRY LOCATIONS, CABLES MANUFACTURED TO IMSA GUIDELINES.

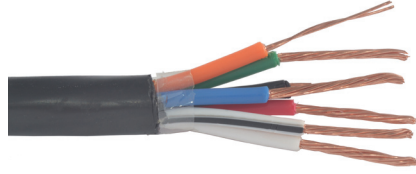
COLOR CODE

1 BLACK	7 WHITE/BLACK	13 RED/WHITE	19 BLUE/RED	25 GREEN-BLACK/WHITE
2 WHITE	8 RED/BLACK	14 GREEN/WHITE	20 RED/GREEN	26 ORANGE-BLACK/WHITE
3 RED	9 GREEN/BLACK	15 BLUE/WHITE	21 ORANGE/GREEN	
4 GREEN	10 ORANGE/BLACK	16 BLACK/RED	22 BLACK-WHITE/RED	
5 ORANGE	11 BLUE/BLACK	17 WHITE/RED	23 WHITE-BLACK/RED	
6 BLUE	12 BLACK/WHITE	18 ORANGE/RED	24 RED-BLACK/WHITE	

NOTE: THE DATA SHOWN IS AN APPROXIMATE AND SUBJECT TO STANDARD INDUSTRY TOLERANCE.

TRAFFIC SIGNAL IMSA 20-1 PE/PE 600 VOLT

STRANDED



CONSTRUCTION: STRANDED COPPER CONDUCTORS, POLYETHYLENE INSULATION, FILLERS AS NEEDED OR REQUIRED FOR A CIRCULAR CROSS-SECTION, A CLEAR MYLAR TAPE AND AN OVERALL BLACK SUNLIGHT RESISTANT POLYETHYLENE JACKET, -45C TO 75C WET OR DRY, 600 VOLT

APPLICATIONS: FOR SIGNALING APPLICATIONS RATED 600V, 75C WET OR DRY, SUITABLE FOR USE IN UNDERGROUND CONDUIT OR AS AERIAL CABLE SUPPORTED BY A MESSENGER, FOR INSTALLATION IN BUILDING RACEWAYS (NOT INCLUDING TRAYS), USED AS TRAFFIC SIGNAL CABLE IN WET OR DRY LOCATIONS, CABLES MANUFACTURED TO IMSA GUIDELINES.

CATALOG NUMBER	AWG SIZE	NO. OF COND	COND STR	INSULATION THICKNESS	JACKET THICKNESS	O.D INCHES	APPROX WGHT (Lbs./MFT)
MWC-7004	16	2	7	.025	.045	.322	58
MWC-1033	16	3	7	.025	.045	.339	75
MWC-1044	16	4	7	.025	.045	.369	94
MWC-1045	16	5	7	.025	.045	.402	113
MWC-1046	16	7	7	.025	.045	.435	146
MWC-7006	16	9	7	.025	.060	.538	186
MWC-7007	16	10	7	.025	.060	.580	220
MWC-1071	16	12	7	.025	.060	.597	254
MWC-7008	16	16	7	.025	.060	.660	325
MWC-1047	16	20	7	.025	.060	.737	395

MWC-1058	16	4-*NC-DOT	7	.025	.045	.372	72
MWC-1059	16	7-*NC-DOT	7	.025	.045	.440	105

*NC-DOT SPEC HAS A RIPCORD

MWC-6153	14	2	7	.025	.045	.339	54
MWC-6157	14	3	7	.025	.045	.358	71
MWC-6161	14	4	7	.025	.045	.388	89
MWC-6165	14	5	7	.025	.045	.424	108
MWC-6169	14	7	7	.025	.045	.461	143
MWC-9025	14	8	7	.025	.060	.514	168
MWC-6173	14	9	7	.025	.060	.567	192
MWC-6177	14	10	7	.025	.060	.613	212
MWC-6181	14	12	7	.025	.060	.633	246
MWC-7017	14	14	7	.025	.060	.666	280
MWC-7018	14	15	7	.025	.060	.680	311
MWC-6185	14	16	7	.025	.060	.699	318
MWC-6189	14	19	7	.025	.060	.736	369
MWC-6193	14	20	7	.025	.060	.768	414
MWC-6197	14	21	7	.025	.060	.774	430
MWC-6201	14	25	7	.025	.060	.898	526
MWC-7019	14	26	7	.025	.060	.950	530

NOTE: THE DATA SHOWN IS AN APPROXIMATE AND SUBJECT TO STANDARD INDUSTRY TOLERANCE.

TRAFFIC SIGNAL IMSA 20-1 PE/PE 600 VOLT

STRANDED

CATALOG NUMBER	AWG SIZE	NO. OF COND	COND STR	INSULATION THICKNESS	JACKET THICKNESS	O.D INCHES	APPROX WGT (Lbs./MFT)
MWC-6155	12	2	7	.025	.045	.397	75
MWC-6159	12	3	7	.025	.045	.420	103
MWC-6163	12	4	7	.025	.045	.458	130
MWC-6167	12	5	7	.025	.045	.502	158
MWC-6171	12	7	7	.025	.045	.577	223
MWC-6175	12	9	7	.025	.060	.671	281
MWC-6179	12	10	7	.025	.060	.729	312
MWC-6183	12	12	7	.025	.060	.753	391
MWC-6187	12	16	7	.025	.060	.875	521
MWC-6191	12	19	7	.025	.060	.920	606
MWC-6195	12	20	7	.025	.080	.961	636
MWC-6199	12	21	7	.025	.080	.967	661
MWC-6203	12	25	7	.025	.080	1.072	778

CATALOG NUMBER	AWG SIZE	NO. OF COND	COND STR	GROUND SIZE	INSULATION THICKNESS	JACKET THICKNESS	O.D INCHES	APPROX WGT (Lbs./MFT)
MWC-6805	10	2	7	-	.030	.045	0.443	107
MWC-6834	8	2	7	-	.030	.045	0.505	157
MWC-6780*	6	2	7	-	.045	.060	0.760	293
MWC-6781*	4	2	7	-	.045	.060	0.775	407
MWC-6781G*	4	2	7	8	.045	.060	0.780	441
MWC-6782*	2	2	7	-	.045	.080	0.935	613

MWC-6806*	6	3	7		.045	.060	.709	340
MWC-6807*	4	3	7		.045	.060	.926	550
MWC-1122*	2	3	7		.045	.080	.988	839

*SIMILAR TO IMSA 20-1

INTERNATIONAL MUNICIPAL SIGNAL ASSOCIATION, INC. SPECIFICATION 20-1
 POLYETHYLENE INSULATION CONFORMING TO UL 62. COLD BEND TESTED TO -55C.
 POLYETHYLENE JACKET CONFORMING TO ASTM D-2633. COLD BEND TESTED TO -55C.

COLOR CODE NC DOT

- 1 WHITE
- 2 YELLOW
- 3 RED
- 4 GREEN
- 5 YELLOW WITH BLACK STRIPE
- 6 RED WITH BLACK STRIPE
- 7 GREEN WITH BLACK STRIPE

COLOR CODE

1 BLACK	7 WHITE/BLACK	13 RED/WHITE	19 BLUE/RED	25 GREEN-BLACK/WHITE
2 WHITE	8 RED/BLACK	14 GREEN/WHITE	20 RED/GREEN	26 ORANGE-BLACK/WHITE
3 RED	9 GREEN/BLACK	15 BLUE/WHITE	21 ORANGE/GREEN	
4 GREEN	10 ORANGE/BLACK	16 BLACK/RED	22 BLACK-WHITE/RED	
5 ORANGE	11 BLUE/BLACK	17 WHITE/RED	23 WHITE-BLACK/RED	
6 BLUE	12 BLACK/WHITE	18 ORANGE/RED	24 RED-BLACK/WHITE	

NOTE: THE DATA SHOWN IS AN APPROXIMATE AND SUBJECT TO STANDARD INDUSTRY TOLERANCE.

IMSA 39-2 AIR CORE COMMUNICATIONS

PVC, 300 VOLT

CONSTRUCTION: SOLID BARE COPPER, PE INSULATION, TWISTED PAIRS, COPPER TAPE SHIELD, PVC JACKET, 300 VOLT

APPLICATION: FOR OUTDOOR OR INDOOR USE IN DATA ACQUISITION INSTALLED IN DUCT, AERIAL OR BUILDING RACEWAYS.

CATALOG NUMBER	AWG SIZE	NO. OF COND	COND STR	JACKET THICKNESS	O.D. INCHES	APPROX WGHT (Lbs./MFT)
MWC-7088	16	6 PR	SOLID	.060	.69	240
MWC-7089	16	12 PR	SOLID	.060	.88	400

MWC-7091	19	3 PR	SOLID	.060	.47	100
MWC-7092	19	4 PR	SOLID	.060	.51	130
MWC-7093	19	6 PR	SOLID	.060	.56	160
MWC-7094	19	12 PR	SOLID	.060	.70	240
MWC-8030	19	18 PR	SOLID	.060	.80	320
MWC-8031	19	25 PR	SOLID	.060	.91	420

IMSA 20-2 SIGNAL AND COMMUNICATIONS CABLE

AERIAL AND DUCT, PE, 600 VOLT

CONSTRUCTION: SOLID BARE COPPER, PE INSULATION, TWISTED PAIRS, .005 CORRUGATED COPPER TAPE SHIELD, PE JACKET OVERALL, 600 VOLT

APPLICATIONS: USED IN DUCT AND AERIAL FOR SIGNAL AND COMMUNICATIONS.

CATALOG NUMBER	AWG SIZE	NO. OF COND	COND STR	JACKET THICKNESS	O.D. INCHES	APPROX WGHT (Lbs./MFT)
MWC-7072	14	1 PR	SOLID	.045	.440	106
MWC-7081	14	2 PR	SOLID	.045	.640	195
MWC-7082	14	4 PR	SOLID	.060	.700	212
MWC-7083	14	6 PR	SOLID	.060	.880	317
MWC-7084	14	8 PR	SOLID	.060	.980	490

MWC-7085	16	3 PR	SOLID	.060	.595	135
MWC-7086	16	6 PR	SOLID	.060	.715	343
MWC-7087	16	12 PR	SOLID	.080	.955	406

COLOR CODE

1 WHITE/BLUE	8 RED/GREEN	15 BLACK/SLATE	22 VIOLET/ORANGE
2 WHITE/ORANGE	9 RED/BROWN	16 YELLOW/BLUE	23 VIOLET/GREEN
3 WHITE/GREEN	10 RED/SLATE	17 YELLOW/ORANGE	24 VIOLET/BROWN
4 WHITE/BROWN	11 BLACK/BLUE	18 YELLOW/GREEN	25 VIOLET/SLATE
5 WHITE/SLATE	12 BLACK/ORANGE	19 YELLOW/BROWN	
6 RED/BLUE	13 BLACK/GREEN	20 YELLOW/SLATE	
7 RED/ORANGE	14 BLACK/BROWN	21 VIOLET/BLUE	

NOTE: THE DATA SHOWN IS AN APPROXIMATE AND SUBJECT TO STANDARD INDUSTRY TOLERANCE.

IMSA 26-3 AND 28-3 SINGLE CONDUCTOR LINE WIRE

CONSTRUCTION: IMSA 26-3 SOLID HARD DRAWN COPPER.
 IMSA 28-3 SOLID COPPER CLAD STEEL 30% CONDUCTIVITY, HIGH STRENGTH.
 BOTH ARE INSULATED WITH BLACK HIGH-DENSITY PE, 600 VOLT, 75C

CATALOG NUMBER	AWG SIZE	NO. OF CON	INSULATION THICKNESS	MIN BREAKING STRENGTH (LBS)	MAX RESISTANCE (OHMS/M-FT, 68F)	NOMINAL O.D.	APPROX WGHT (Lbs./MFT)
IMSA 26-3							
MWC-9017	10	1	.031	530	1.039	.165	37
IMSA 28-3							
MWC-9018	10	1	0.31	1,231	3.396	.165	35

IMSA 29-1 AND 29-2 "C" WIRE, TWO CONDUCTOR BLACK

CONSTRUCTION: IMSA 29-1 SOLID HARD DRAWN COPPER. IMSA 29-2 SOLID 30% COPPER-CLAD STEEL.
 BOTH ARE INSULATED WITH BLACK HIGH-DENSITY PE, 600 VOLT, 75C

CATALOG NUMBER	AWG SIZE	NO. OF COND	MIN BREAKING STRENGTH (LBS)	MAX RESISTANCE (OHMS/M-FT, 68F)	APPROX WGHT (Lbs./MFT)
IMSA 29-1 ®					
MWC-9019	12	2	670	1.652	59
IMSA 29-2					
MWC-1920	14	2	550	9	37
MWC-1921	12	2	900	6	53

IMSA 39-4 AIR CORE FIGURE-8 COMMUNICATIONS CABLE

SELF-SUPPORTING AERIAL, PVC, 300 VOLT

CONSTRUCTION: SOLID BARE COPPER, PE INSULATION, TWISTED PAIRS, COPPER TAPE SHIELD, 1/4" SEVEN-WIRE EXTRA HIGH STRENGTH FLOODED GALVANIZED STEEL STRAND INTEGRATED MESSENGER, PVC JACKET OVERALL, 300 VOLT, 75C WET OR DRY

APPLICATIONS: SELF-SUPPORTING AERIAL USE FOR COMMUNICATIONS.

CATALOG NUMBER	AWG SIZE	NO. OF COND	COND STR	JACKET THICKNESS	APPROX WGHT (Lbs./MFT)
MWC-8033	16	3 PR	SOLID	.060	310
MWC-8034	16	6 PR	SOLID	.060	390
MWC-8035	19	3 PR	SOLID	.060	260
MWC-8036	19	6 PR	SOLID	.060	310
MWC-8037	19	12 PR	SOLID	.060	355

NOTE: THE DATA SHOWN IS AN APPROXIMATE AND SUBJECT TO STANDARD INDUSTRY TOLERANCE.

IMSA 40-4 AIR CORE FIGURE-8 COMMUNICATIONS CABLE

SELF-SUPPORTING AERIAL, PE, 300 VOLT

CONSTRUCTION: SOLID BARE COPPER, PE INSULATION, TWISTED PAIRS, COPPER TAPE SHIELD, 1/4" SEVEN-WIRE EXTRA HIGH STRENGTH FLOODED GALVANIZED STEEL STRAND INTEGRATED MESSENGER, PE JACKET OVERALL, 300 VOLT, 75C WET OR DRY

APPLICATIONS: SELF-SUPPORTING AERIAL USE FOR COMMUNICATIONS

CATALOG NUMBER	AWG SIZE	NO. OF COND	COND STR	JACKET THICKNESS	APPROX WGHT (Lbs./MFT)
MWC-8032	16	3 PR	SOLID	.060	310
MWC-6958	16	6 PR	SOLID	.060	390

MWC-6952	19	3 PR	SOLID	.060	260
MWC-6953	19	6 PR	SOLID	.060	310
MWC-6954	19	12 PR	SOLID	.060	355
MWC-6956	19	18 PR	SOLID	.060	400

MWC-6955	19	12 PR	7	.060	371
MWC-6957	18	6 PR	7	.060	325
MWC-6959	16	6 PR	7	.060	340

COLOR CODE

1 WHITE/BLUE	4 WHITE/BROWN	7 RED/ORANGE	10 RED/SLATE	13 BLACK/GREEN	16 YELLOW/BLUE
2 WHITE/ORANGE	5 WHITE/SLATE	8 RED/GREEN	11 BLACK/BLUE	14 BLACK/BROWN	17 YELLOW/ORANGE
3 WHITE/GREEN	6 RED/BLUE	9 RED/BROWN	12 BLACK/ORANGE	15 BLACK/SLATE	18 YELLOW/GREEN

IMSA 39-6 AIR CORE COMMUNICATIONS CABLE

DIRECT BURIAL, PVC, 300 VOLT

CONSTRUCTION: SOLID BARE COPPER, TWISTED PAIRED COLOR CODE, PE INSULATION. PE INNER JACKET, COPPER TAPE SHIELD UNDER THE BLACK PVC JACKET, 300 VOLT, 75C WET OR DRY

CATALOG NUMBER	AWG SIZE	NO. OF PAIRS	NOMINAL JACKET THICKNESS		NOMINAL O.D.	APPROX WGHT (Lbs./MFT)
			INNER	OUTER		
MWC-9006	19	3	.045	.060	.520	120
MWC-9007	19	6	.045	.060	.610	170
MWC-9008	19	12	.045	.060	.750	260

MWC-9009	16	3	.045	.060	.610	170
MWC-9010	16	6	.045	.060	.740	260
MWC-9011	16	12	.045	.060	.920	420

NOTE: THE DATA SHOWN IS AN APPROXIMATE AND SUBJECT TO STANDARD INDUSTRY TOLERANCE.

IMSA 40-6 COMMUNICATIONS CABLE

DIRECT BURIAL, PE, 300 VOLT

CONSTRUCTION: SOLID BARE COPPER, TWISTED PAIRS, COLOR CODE, PE INSULATION, PE INNER JACKET, COPPER TAPE SHIELD, BLACK PE JACKET, 300 VOLT, 75C WET OR DRY

CATALOG NUMBER	AWG SIZE	NO. OF PAIRS	NOMINAL JACKET THICKNESS		NOMINAL O.D.	APPROX WGHT (Lbs./MFT)
			INNER	OUTER		
MWC-9022	19	3	.045	.045	.52	140
MWC-9023	19	6	.045	.045	.61	230
MWC-9013	19	12	.045	.060	.75	260
MWC-9014	16	3	.045	.060	.61	170
MWC-9015	16	6	.045	.060	.74	260
MWC-9016	16	12	.045	.060	.92	420

COLOR CODE

- 1 WHITE/BLUE
- 2 WHITE/ORANGE
- 3 WHITE/GREEN
- 4 WHITE/BROWN
- 5 WHITE/SLATE
- 6 RED/BLUE
- 7 RED/ORANGE
- 8 RED/GREEN
- 9 RED/BROWN
- 10 RED/SLATE
- 11 BLACK/BLUE
- 12 BLACK/ORANGE

IMSA 40-2 AIR CORE COMMUNICATIONS CABLE

PE, 300 VOLT

CONSTRUCTION: SOLID OR STRANDED BARE COPPER, PE INSULATION, TWISTED PAIRS, COPPER TAPE SHIELD, PE JACKET, 300 VOLT, 75C WET OR DRY

APPLICATIONS: FOR OUTDOOR OR INDOOR USE IN SIGNAL AND DATA ACQUISITION INSTALLED IN DUCT, AERIAL OR BUILDING RACEWAY

CATALOG NUMBER	AWG SIZE	NO. OF COND	COND STR	JACKET THICKNESS	O.D. INCHES	APPROX WGHT (Lbs./MFT)
MWC-6949	16	6PR	SOLID	.060	.69	240
MWC-6951	16	12 PR	SOLID	.060	.88	400
MWC-6940	19	3 PR	SOLID	.060	.47	100
MWC-6942	19	4 PR	SOLID	.060	.51	130
MWC-6944	19	6 PR	SOLID	.060	.56	160
MWC-6946	19	12 PR	SOLID	.060	.70	240
MWC-9486	19	18 PR	SOLID	.060	.80	320
MWC-6947	19	25 PR	SOLID	.060	.91	420
MWC-6941	19	3 PR	STRANDED	.060	.47	100
MWC-6943	19	4 PR	STRANDED	.060	.51	130
MWC-6945	19	6 PR	STRANDED	.060	.56	160
MWC-6948	19	25 PR	STRANDED	.060	.91	420
MWC-6950	16	6 PR	STRANDED	.060	.69	240

COLOR CODE

- 1 WHITE/BLUE
- 2 WHITE/ORANGE
- 3 WHITE/GREEN
- 4 WHITE/BROWN
- 5 WHITE/SLATE
- 6 RED/BLUE
- 7 RED/ORANGE
- 8 RED/GREEN
- 9 RED/BROWN
- 10 RED/SLATE
- 11 BLACK/BLUE
- 12 BLACK/ORANGE
- 13 BLACK/GREEN
- 14 BLACK/BROWN
- 15 BLACK/SLATE
- 16 YELLOW/BLUE
- 17 YELLOW/ORANGE
- 18 YELLOW/GREEN
- 19 YELLOW/BROWN
- 20 YELLOW/SLATE
- 21 VIOLET/BLUE
- 22 VIOLET/ORANGE
- 23 VIOLET/GREEN
- 24 VIOLET/BROWN
- 25 VIOLET/SLATE

NOTE: THE DATA SHOWN IS AN APPROXIMATE AND SUBJECT TO STANDARD INDUSTRY TOLERANCE.

LOOP LEAD-IN CABLE IMSA 50-2 600 VOLT

CONSTRUCTION: STRANDED TINNED COPPER, POLYETHYLENE INSULATION, ALUMINUM POLYESTER FOIL TAPE PLUS TINNED COPPER DRAIN WIRE, BLACK SUNLIGHT RESISTANT LOW-DENSITY POLYETHYLENE JACKET, 600 VOLT, 75C WET OR DRY



APPLICATIONS: MUNICIPAL SIGNAL SYSTEMS AS LEAD-IN CABLE OR FOR USE IN COMMUNICATION CIRCUITS WHEN LOW CAPACITANCE IS NEEDED

CATALOG NUMBER	AWG SIZE	NO. OF COND	COND STR	INSULATION THICKNESS	JACKET THICKNESS	O.D. INCHES	APPROX WGHT (Lbs./MFT)
MWC-6204	18	1 PR	19	0.030	0.030	.286	29
MWC-7029	18	2 PR	19	0.030	0.030	.322	54
MWC-7030	18	3 PR	19	0.030	0.030	.465	78

MWC-6205	16	1 PR	19	0.030	0.030	.292	38
----------	----	------	----	-------	-------	------	----

*MWC-6206-NC	14	1 PR	19	0.030	0.030	.332	55
MWC-6206	14	1 PR	19	0.030	0.030	.332	55
MWC-7031	14	2 PR	19	0.030	0.030	.400	102
MWC-7032	14	3 PR	19	0.030	0.030	.560	120
MWC-7034	14	4 PR	19	0.030	0.030	.584	171

MWC-6207	12	1 PR	19	0.030	0.030	.356	75
----------	----	------	----	-------	-------	------	----

*MWC-6206-NC HAS 6 TWISTS PER FOOT AND A RIP CORD, COLOR CODE BLACK/NATURAL (CLEAR)

**MWC-6205, 6206, 6207 1 PAIR COLOR CODE-BLACK/NATURAL (CLEAR)

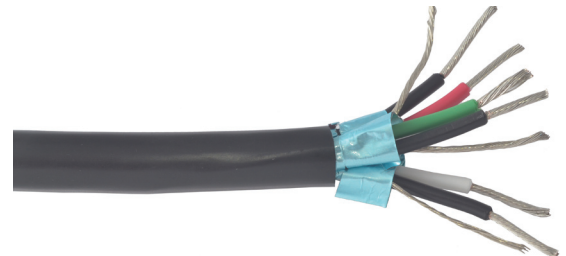
COLOR CODE

1 PAIR BLACK/RED
2 PAIR BLACK/WHITE

3 PAIR BLACK/GREEN
4 PAIR BLACK/YELLOW

GDOT SPECIAL SIMILAR TO 50-2 3 PAIR

CONSTRUCTION: STRANDED TINNED COPPER, POLYETHYLENE INSULATION, COLOR CODED INDIVIDUALLY SHIELDED WITH ALUMINUM/POLYESTER TINNED COPPER DRAIN WIRE IN EACH PAIR, LOW-DENSITY BLACK POLYETHYLENE JACKET, 600 VOLT, 75C WET OR DRY



APPLICATIONS: OUTDOOR OR INDOOR USE IN TRAFFIC SIGNAL, TRAFFIC CONTROL SYSTEMS LOOP DETECTOR LEAD-IN AND UNDERGROUND CONDUIT, STRAPPED TO MESSENGER FOR AERIAL USE

CATALOG NUMBER	AWG SIZE	NO. OF COND	COND STR	INSULATION THICKNESS	JACKET THICKNESS	O.D. INCHES	APPROX WGHT (Lbs./MFT)
MWC-6214	18	3 PR	19	.030	.030	.455	78
MWC-1018	14	3 PR	19	.030	.030	.566	120

COLOR CODE 1 PAIR BLACK/WHITE 2 PAIR BLACK/ RED 3 PAIR BLACK/GREEN

NOTE: THE DATA SHOWN IS AN APPROXIMATE AND SUBJECT TO STANDARD INDUSTRY TOLERANCE.

LOOP DETECTOR IMSA 51-1 600 VOLT

CONSTRUCTION: STRANDED BARE COPPER, BLACK PVC/NYLON INSULATION, 600 VOLT, 75C WET OR DRY

APPLICATIONS: DESIGNED FOR USE IN MUNICIPAL SIGNAL SYSTEMS AS "LOOP DETECTOR WIRE." THESE WIRES ARE INSTALLED IN PAVEMENT SAW CUTS AT TRAFFIC INTERSECTIONS TO DETECT MOTOR VEHICLES, SENDING SIGNAL TO TRAFFIC CONTROLLERS TO ACTIVATE LIGHT CHANGES. FOR DUCT OR SAW CUT USE.



CATALOG NUMBER	AWG SIZE	NO. OF COND	COND STR	INSULATION THICKNESS	O.D. INCHES	APPROX WGT (Lbs./MFT)
MWC-7023	18	1	19	15/4 [®]	.09	8
MWC-7024	16	1	19	15/4	.11	11
MWC-1123	14	1	19	15/4	.115	16
MWC-1124	12	1	19	15/4	.135	24
MWC-7026	10	1	19	20/4	.17	39
MWC-7027	8	1	19	30/5	.23	45

LOOP DETECTOR IMSA 51-3 600 VOLT

CONSTRUCTION: STRANDED BARE COPPER, BLACK CROSS-LINKED POLYETHYLENE INSULATED (XLP) 600 VOLT, 75C WET OR DRY

APPLICATIONS: DESIGNED FOR USE IN MUNICIPAL SIGNAL SYSTEMS AS LOOP DETECTOR WIRE. THESE WIRES ARE INSTALLED IN PAVEMENT SAW CUTS AT TRAFFIC INTERSECTIONS TO DETECT MOTOR VEHICLES, SENDING SIGNAL TO TRAFFIC CONTROLLERS TO ACTIVATE LIGHT CHANGES. FOR DUCT OR SAW CUT USE.



CATALOG NUMBER	AWG SIZE	NO. OF COND	COND STR	JACKET THICKNESS	O.D. INCHES	APPROX WGT (Lbs./MFT)
MWC-1086	14	1	19	.030	.130	30
MWC-1108	12	1	19	.030	.150	36
MWC-7021	10	1	19	.030	.190	50
MWC-7022	8	1	19	.045	.250	65

ALABAMA A-DOT SPEC

MWC-5661	12	1	7	.030	.148	24
----------	----	---	---	------	------	----

NOTE: THE DATA SHOWN IS AN APPROXIMATE AND SUBJECT TO STANDARD INDUSTRY TOLERANCE.

TUBE LOOP DETECTOR IMSA 51-5 600 VOLT

CONSTRUCTION: STRANDED BARE COPPER, PVC WITH NYLON INSULATION, LOOSE TUBE PVC OR HIGH DENSITY POLYETHYLENE (HDPE) TUBE, 600 VOLT, 75C WET OR DRY



APPLICATIONS: USED IN ROAD PAVEMENTS TO DETECT VEHICLES FOR THE PURPOSE OF CHANGING SIGNALS OR DETERMINING AMOUNT OF TRAFFIC FLOW.

CATALOG NUMBER	AWG SIZE	NO. OF COND	COND STR	INSULATION THICKNESS	TUBE COLOR/TYPE	TUBE THICKNESS	APPROX O.D. INCHES	APPROX WEIGHT (Lbs./MFT)
MWC-6208	14	1	19	15/5	BLACK PVC	.030	.250	27
MWC-6209	12	1	19	15/5	BLACK PVC	.030	.250	36
MWC-6210	14	1	19	15/5	ORANGE PVC	.030	.250	27
MWC-6211	12	1	19	15/5	ORANGE PVC	.030	.250	36
MWC-6212	14	1	19	15/5	BLACK PE	.030	.250	29
MWC-6213	12	1	19	15/5	BLACK PE	.030	.250	39

RATINGS: PVC INSULATION CONFORMING TO UL 158, CLASS 12. NYLON JACKET CONFORMING TO ASTM D-4066. LATEST REVISIONS INCLUDE: PVC TUBE CONFORMING TO ASTM D-2220, PE & PVC TUBE CONFORMING TO ASTM D-2220 AND ASTM D-1248 FOR SUNLIGHT RESISTENCE.

IMSA 59-2 FILLED COMMUNICATIONS CABLE

AERIAL AND DUCT PVC, 300 VOLT

CONSTRUCTION: SOLID BARE COPPER, TWISTED PAIRS, COLOR CODED, PE INSULATION, GEL FILLED, COPPER TAPE SHIELD, BLACK PVC JACKET, 300 VOLT, 75C WET OR DRY

CATALOG NUMBER	AWG SIZE	NO. OF PAIRS	NOMINAL JACKET THICKNESS	NOMINAL O.D INCHES	APPROX WGT (Lbs./MFT)
MWC-1723	19	3	.045	.47	125
MWC-1724	19	6	.045	.56	185
MWC-1725	19	12	.045	.70	280
MWC-1726	16	3	.045	.56	185
MWC-1727	16	6	.045	.69	280
MWC-1732	16	12	.060	.88	460

COLOR CODE

1 WHITE/BLUE	4 WHITE/BROWN	7 RED/ORANGE	10 RED/SLATE
2 WHITE/ORANGE	5 WHITE/SLATE	8 RED/GREEN	11 BLACK/BLUE
3 WHITE/GREEN	6 RED/BLUE	9 RED/BROWN	12 BLACK/ORANGE

NOTE: THE DATA SHOWN IS AN APPROXIMATE AND SUBJECT TO STANDARD INDUSTRY TOLERANCE.

IMSA 60-2 FILLED COMMUNICATIONS CABLE

AERIAL AND DUCT, PE, 300 VOLT

CONSTRUCTION: SOLID BARE COPPER, TWISTED PAIRS, COLOR CODED, PE INSULATION, GEL FILLED, COPPER TAPE SHIELD, BLACK PE JACKET, 300 VOLT, 75C WET OR DRY

CATALOG NUMBER	AWG SIZE	NO. OF PAIRS	NOMINAL JACKET THICKNESS	NOMINAL O.D. INCHES	APPROX WGT (Lbs./MFT)
MWC-1737	19	3	.060	.47	125
MWC-1738	19	6	.060	.56	185
MWC-1739	19	12	.060	.70	280

COLOR CODE

1 WHITE/BLUE	7 RED/ORANGE
2 WHITE/ORANGE	8 RED/GREEN
3 WHITE/GREEN	9 RED/BROWN
4 WHITE/BROWN	10 RED/SLATE
5 WHITE/SLATE	11 BLACK/BLUE
6 RED/BLUE	12 BLACK/ORANGE

TUBE LOOP DETECTOR IMSA 51-7 600 VOLT

CONSTRUCTION: STRANDED BARE COPPER, BLACK CROSS-LINKED POLYETHYLENE INSULATION, LOOSE TUBE, PVC OR HDPE TUBE, 600 VOLT, 75C WET OR DRY



APPLICATIONS: USED IN ROAD PAVEMENTS TO DETECT VEHICLES FOR THE PURPOSE OF CHANGING SIGNALS OR DETERMINING AMOUNT OF TRAFFIC FLOW, FOR DUCT OR SAW CUT USE

ALSO AVAILABLE IN ORANGE
ie: MWC-1127-04

CATALOG NUMBER	AWG SIZE	NO. OF COND	COND STR	TUBE TYPE	TUBE THICKNESS	PROX O.D.	PROX WEIGHT (LBS/MFT)
MWC-1127	14	1	19	BLACK PVC	.030	.250	31
MWC-1128	12	1	19	BLACK PVC	.030	.250	41
MWC-1107	14	1	19	BLACK HDPE	.030	.250	33
MWC-1187	12	1	19	BLACK HDPE	.030	.250	43

IMSA 59-6 FILLED COMMUNICATIONS CABLE

DIRECT BURIAL, PVC, 300 VOLT

CONSTRUCTION: SOLID BARE COPPER, TWISTED PAIRS, COLOR CODED (SAME IMSA-60-2 ABOVE), PE INSULATION, GEL FILLED, PE INNER JACKET, COPPER TAPE SHIELD UNDER THE BLACK PVC JACKET, 300 VOLT, 75C WET OR DRY.

CATALOG NUMBER	AWG SIZE	NO. OF PAIRS	JACKET THICKNESS		NOMINAL O.D.	APPROX WGT (Lbs./MFT)
			INNER	OUTER		
MWC-1922	19	3	.045	.060	.52	130
MWC-1923	19	6	.045	.060	.61	190
MWC-1924	19	12	.045	.060	.75	280

MWC-1925	16	3	.045	.060	.61	190
MWC-1926	16	6	.045	.060	.74	280
MWC-1927	16	12	.045	.060	.92	460

NOTE: THE DATA SHOWN IS AN APPROXIMATE AND SUBJECT TO STANDARD INDUSTRY TOLERANCE.

IMSA 60-6 FILLED COMMUNICATIONS CABLE

DIRECT BURIAL, PE, 300 VOLT

CONSTRUCTION: SOLID BARE COPPER, TWISTED PAIRS, COLOR CODED, PE INSULATION, GEL FILLED, PE INNER JACKET, COPPER TAPE SHIELD BLACK PE JACKET, 300 VOLT, 75C WET OR DRY.

CATALOG NUMBER	AWG SIZE	NO. OF PAIRS	JACKET THICKNESS		NOMINAL O.D.	APPROX WGT (Lbs./MFT)
			INNER	OUTER		
MWC-9003	19	3	.045	.060	.52	130
MWC-6890	19	6	.045	.060	.61	190
MWC-9004	19	12	.045	.060	.75	280

MWC-9005	16	3	.045	.060	.61	190
MWC-7002	16	6	.045	.060	.74	280
MWC-7003	16	12	.045	.060	.92	460

COLOR CODE

1 WHITE/BLUE	4 WHITE/BROWN	7 RED/ORANGE	10 RED/SLATE
2 WHITE/ORANGE	5 WHITE/SLATE	8 RED/GREEN	11 BLACK/BLUE
3 WHITE/GREEN	6 RED/BLUE	9 RED/BROWN	12 BLACK/ORANGE

TWIN 8 STREET LIGHTING CABLE

NEOPRENE, PVC OR XLP STREET LIGHTING CABLE 60C 600 VOLT

CONSTRUCTION: TWO CONDUCTORS OF STRANDED ANNEALED COPPER, PARALLELED IN A FIGURE 8 CONFIGURATION FOR EASE IN INSTALLING, SEPARATING, AND TERMINATING. THE INSULATION SURFACE OVER ONE CONDUCTOR IS RIBBED FOR CIRCUIT IDENTIFICATION.



APPLICATIONS: USED TO SERVE THE LIGHTING FIXTURE FROM AN UNDERGROUND CIRCUIT THROUGH A POLE AND BRACKET, OR FROM OVERHEAD CIRCUIT THROUGH THE BRACKET.

CATALOG NUMBER	TYPE	SIZE AWG	NUMBER STRANDS	INSULATION THICKNESS	NOMINAL O.D.	APPROX WGT (Lbs./MFT)
MWC-6970	NEOPRENE	12	7	45	.19 X .38	76
MWC-6971		10	7	60	.25 X .50	110
MWC-6972		8	7	60	.28 X .56	155
MWC-6973	PVC	12	7	45	.19 X .38	74
MWC-6974		10	7	60	.25 X .50	110
MWC-6975		8	7	60	.28 X .56	150
MWC-6976	XLP	12	7	45	.19 X .38	66
MWC-6977		10	7	60	.25 X .50	98
MWC-6978		8	7	60	.28 X .56	140

STANDARDS: MEETS OR EXCEEDS THE APPROPRIATE REQUIREMENTS OF ICEA SPECIFICATION NO. S-19-81 (NEOPRENE), S-61-402 (PVC) OR S-66-524 (XLP).

NOTE: THE DATA SHOWN IS AN APPROXIMATE AND SUBJECT TO STANDARD INDUSTRY TOLERANCE.

TRAFFIC SENSING SYSTEM CABLE

CONSTRUCTION: STRANDED BARE COPPER, POLYETHYLENE INSULATION, ALUMINUM AND/OR WATERBLOCKING TAPE, BLACK POLYETHYLENE JACKET, 600 VOLT, 80C, ALSO FOR DIRECT BURIAL USE



CATALOG NUMBER	AWG SIZE	NO. OF COND	COND STR	INSULATION THICKNESS	OUTER JACKET THICKNESS	APPROX O.D.	APPROX WGHT (Lbs./MFT)
----------------	----------	-------------	----------	----------------------	------------------------	-------------	------------------------

UNSHIELDED [®]

MWC-9000	18	4	7	.012	.032	.246	35
----------	----	---	---	------	------	------	----

SHIELDED

MWC-9001	18	4	7	.012	.032	.246	37
----------	----	---	---	------	------	------	----

COLOR CODE: BLACK, RED, WHITE, GREEN

CAPACITANCE
27 pF/ft diagonal pairs
30 pF/ft adjacent pairs

INDUCTANCE
23 µF/100 ft diagonal pairs

EMERGENCY VEHICLE PRE-EMPTION CABLE

CONSTRUCTION: STRANDED TINNED COPPER, HIGH-DENSITY POLYETHYLENE INSULATION, OVERALL ALUMINUM FOIL SHIELD WITH DRAIN WIRE, BLACK PVC JACKET, 600 VOLT, 75C WET OR DRY

APPLICATIONS: SPECIFICALLY MADE FOR CONNECTING 'OPTICAL' PRE-EMPTION DETECTORS TO THE OPTICAL SIGNAL PROCESSORS (OSP) LOCATED AT THE TRAFFIC INTERSECTION. SUITABLE FOR DIRECT BURIAL, USE IN CONDUIT AND OVERHEAD INSTALLATION WHEN ATTACHED PROPERLY TO A MESSENGER.

CATALOG NUMBER	AWG SIZE	NO. OF COND	COND STR	INSULATION THICKNESS	OUTER JACKET THICKNESS	APPROX O.D.	APPROX WGHT (Lbs./MFT)
----------------	----------	-------------	----------	----------------------	------------------------	-------------	------------------------

MWC-1072	20	3	7	.025	.045	.281	46
MWC-5454	16	3	19	.025	.045	.305	72

COLOR CODE: YELLOW, BLUE, ORANGE

VIDEO DETECTION CABLE

MULTI-CONDUCTOR CAMERA CABLE PVC/NYLON WITH PVC JACKET

CONSTRUCTION: STRANDED TINNED COPPER, COLOR CODED PVC/NYLON INSULATION, NON-SHIELDED, BLACK PVC JACKET, 600 VOLT, 90C.

APPLICATIONS: SUNLIGHT RESISTANT, SUITABLE FOR DIRECT BURIAL USE, IN CONDUIT AND OVERHEAD INSTALLATIONS WHEN ATTACHED PROPERLY TO A MESSENGER.

CATALOG NUMBER	AWG SIZE	NO. OF COND	COND STR	INSULATION THICKNESS	OUTER JACKET THICKNESS	APPROX NOM O.D.	APPROX WGHT (Lbs./MFT)
----------------	----------	-------------	----------	----------------------	------------------------	-----------------	------------------------

MWC-5455	16	3	26	.098	.045	.305	54
----------	----	---	----	------	------	------	----

COLOR CODE: BLACK, WHITE, GREEN

NOTE: THE DATA SHOWN IS AN APPROXIMATE AND SUBJECT TO STANDARD INDUSTRY TOLERANCE.

VIDEO DETECTION CABLE

MULTI-CONDUCTOR CAMERA CABLE PE/PE

CONSTRUCTION: STRANDED TINNED COPPER, COLOR CODED
POLYETHYLENE INSULATION, NON-SHIELDED, BLACK
POLYETHYLENE JACKET, 600 VOLT, 90C.

APPLICATIONS: SUNLIGHT RESISTANT, SUITABLE FOR DIRECT
BURIAL USE, IN CONDUIT AND OVERHEAD INSTALLATIONS
WHEN ATTACHED PROPERLY TO A MESSENGER

CATALOG NUMBER	AWG SIZE	NO. OF COND	COND STR	INSULATION THICKNESS	OUTER JACKET THICKNESS	O.D. INCHES	APPROX WGT (Lbs./MFT)
MWC-1130	18	3	16	.030	.045	.321	44

COLOR CODE: BLACK, WHITE, GREEN

VIDEO DETECTION CABLE

TWO COMPONENT CAMERA CABLE

CATALOG NUMBER	COMPONENTS	OUTER JKT THICKNESS INCHES	APPROX NOMINAL O.D. INCHES	APPROX WGT (Lbs./MFT)
MWC-1131	2	.030 PVC	.395 X .700	143

COLOR CODE: BLACK, WHITE, GREEN

CONSTRUCTION:

COMPONENT 1 - 20 AWG SOL BC .032
BRAID - 2 X 98% TC
RG-59 TYPE

COMPONENT 2 - 16 AWG/3C BC
INSULATION - PVC .030 NOMINAL
ALSO SUNLIGHT RESISTANT AND DIRECT
BURIAL USE

VIDEO DETECTION CABLE

TWO COMPONENT CAMERA CABLE

CATALOG NUMBER	COMPONENTS	OUTER JKT THICKNESS INCHES	APPROX NOMINAL O.D. INCHES	APPROX WGT (Lbs./MFT)
MWC-1132	2	.030 PVC	.395 X .700	115

*ALSO AVAILABLE IN POLYETHYLENE: I.E., MWC-3322PE

*ALSO AVAILABLE IN PVC/NYLON: I.E., MWC-3322PVC/NYLON

COLOR CODE: WHITE, BLACK, RED, BROWN, BLUE

CONSTRUCTION:

COMPONENT 1 - 20 AWG SOL BC .032
BRAID - 95% BC
RG-59 TYPE

COMPONENT 2 - 18 AWG/5C BC
INSULATION - PVC
UL TYPE CM OR C(UL) CM SUNLIGHT
RESISTANT

NOTE: THE DATA SHOWN IS AN APPROXIMATE AND SUBJECT TO STANDARD INDUSTRY TOLERANCE.

VIDEO DETECTION CABLE

THREE COMPONENT CAMERA CABLES

CONSTRUCTION:

COMPONENT 1 - 20 AWG SOL BC .032
BRAID - 2 X 95% BC
JACKET - LDPE .304 NOMINAL
RG-59 TYPE

COMPONENT 2 - 18 AWG/3c BC
INSULATION - PVC .082 NOMINAL

COLOR CODE: BLUE, BROWN,
GREEN W/YELLOW STRIPE

COMPONENT 3 - 22 AWG/2 ISP TC
INSULATION- POLYPROPYLENE .046 NOMINAL
SHIELDING - ALUMINUM MYLAR WITH DRAIN

COLOR CODE: BLACK/RED, GREEN/WHITE

CATALOG NUMBER	COMPONENTS	OUTER JKT THICKNESS INCHES	APPROX NOMINAL O.D. INCHES	APPROX WGHT (Lbs./MFT)
MWC-3223	3	.020 PVC	.340 X .680	113

SUNLIGHT RESISTANT AND DIRECT BURIAL USE

VIDEO DETECTION CABLE

THREE COMPONENT HI-FLEX CAMERA CABLES

CONSTRUCTION:

COMPONENT 1 - 22 AWG SOL BC .031
BRAID - 2 X 98% TC
JACKET - PVC .304 NOMINAL
RG-59 TYPE

COMPONENT 2 - 18 AWG/3C BC
INSULATION - PVC .082 NOMINAL

COLOR CODE: BLACK, WHITE, GREEN

COMPONENT 3 - 22 AWG/2 ISP TC
INSULATION- POLYPROPYLENE .046 NOMINAL
SHIELDING - ALUMINUM MYLAR WITH DRAIN

COLOR CODE: BROWN/ORANGE, BLUE/YELLOW

CATALOG NUMBER	COMPONENTS	OUTER JKT THICKNESS INCHES	APPROX NOMINAL O.D. INCHES	APPROX WGHT (Lbs./MFT)
MWC-3221	3	.020 PVC	.344 X .688	113

SUNLIGHT RESISTANT AND DIRECT BURIAL USE

NOTE: THE DATA SHOWN IS AN APPROXIMATE AND SUBJECT TO STANDARD INDUSTRY TOLERANCE.

TRAFFIC COMMUNICATION CABLE

INSTRUMENTATION CABLE, 5 1/2 PAIRS (4-18 AWG, 1-1/2 16 AWG)

CONSTRUCTION: STRANDED TINNED COPPER, PVC INSULATION, COLOR CODED PAIRS, ALUMINUM POLYESTER FOIL TAPE PLUS TINNED COPPER DRAIN WIRE, BLACK PVC JACKET WITH NYLON RIPCORD, DIRECT BURIAL, -30C + 105C, 300 VOLT, UL, PLTC, CMG, C(UL) FT4.

APPLICATIONS: USED TO LINK THE TRAFFIC MANAGEMENT CENTER WITH EACH IP-ADDRESSABLE CAMERA IN FREEWAY MANAGEMENT DETECTION, INCIDENT DETECTION AND VERIFICATION AND TRAFFIC SURVEY DATA COLLECTION.

CATALOG NUMBER	AWG SIZE	NO. OF PAIRS	COND STR	INSULATION THICKNESS	JACKET THICKNESS	APPROX NOMINAL O.D.	APPROX WGHT (Lbs./MFT)
MWC-6099	18	4	7 X 26	.078	.051	.490	86
	16	1 1/2	7 X 24	.090			

COLOR CODE

18-1 PR WHITE/BLACK
18-2 PR YELLOW/BLACK
18-3 PR BLUE/BLACK

18-4 PR RED/BLACK
16-1 PR BROWN/BLACK
16-1/2 PR GREEN/YELLOW

BELDEN® 8281 PRECISION VIDEO COAX

DOUBLE BRAIDED RG59/U TYPE FOR OUTDOOR USE



CATALOG NUMBER	AWG SIZE	NO. OF COND	COND TYPE	INSULATION TYPE	TYPE OF SHIELD	TYPE OF JACKET	IMPEDANCE (OHM)	CAPACITANCE (Pf/ft)	NOM VELOCITY OF PROPAGATION (VP)	APPROX WGHT LBS/MFT
BEL8281	20	1	SOLID BARE COPPER	POLY-ETHYLENE	DOUBLE BRAIDED TINNED COPPER 95% COVERAGE	BLACK POLY-ETHYLENE	75	21	66%	74

100% SWEEP TESTED 5MHz TO 850 MHz

NOTE: THE DATA SHOWN IS AN APPROXIMATE AND SUBJECT TO STANDARD INDUSTRY TOLERANCE.

BELDEN® 7958A CATEGORY 5e DATA TUFF®

600 VOLT AWM UL STYLE 21047

CONSTRUCTION: 24 AWG BONDED-PAIRS, SOLID BARE COPPER CONDUCTORS, POLYOLEFIN INSULATION, OVERALL SHIELD (100% COVERAGE), PLUS DRAIN WIRE, RIP CORD, WITH AN INDUSTRIAL GRADE SUNLIGHT AND OIL-RESISTANT PVC JACKET. SEQUENTIAL MARKING AT TWO FOOT INTERVALS, -25C TO +75C WET OR DRY, CMR, CEC/C (UL).



APPLICATIONS: SUITABLE FOR OUTDOOR USE, INDUSTRIAL ETHERNET CABLE, HARSH ENVIRONMENTS, 200MHz CATEGORY 5e. INDUSTRIAL ETHERNET, GIGABIT ETHERNET, 100BaseTX, 100BaseVG ANYLAN, 155ATM, 622ATM, NTSC/PAL COMPONENT OR COMPOSITE VIDEO, AES/EBU DIGITAL AUDIO, AES51, RS-422, NOISY ENVIRONMENTS, CMX-OUTDOOR, RJ-45 COMPATIBLE.

CATALOG NUMBER	AWG SIZE	NO. OF PAIRS	COND TYPE	INSULATION TYPE	TYPE OF SHIELD	TYPE OF JACKET	APPROX WGHT LBS/MFT
BEL7958A	24	4	SOLID BARE COPPER	PO	ALUMINUM FOIL SHIELD W/T.C. DRAIN	PVC	37

COLOR CODE: 1 WHITE/BLUE STRIPE & BLUE
 2 WHITE/ORANGE STRIPE & ORANGE
 3 WHITE/GREEN STRIPE & GREEN
 4 WHITE/BROWN STRIPE & BROWN

ITERIS® PRECISION CAMERA CABLE

75 OHM VIDEO COAX WITH 16 AWG 3 CONDUCTORS

CONSTRUCTION: 2-RG59/U 20 AWG SOLID BARE COPPER, LOW DENSITY POLYETHYLENE INSULATION, 1ST SHIELD 98% TINNED COPPER BRAID, 2ND SHIELD 98% TINNED COPPER BRAID, BLACK LOW DENSITY POLYETHYLENE JACKET, WITH 16-3 CONDUCTORS STRANDED BARE COPPER CABLED WITH BLACK PVC JACKET PULLED PARALLEL UNDER AN OVERALL BLACK PVC JACKET, SUNLIGHT RESISTANT AND DIRECT BURIAL USE.

APPLICATIONS: INSTRUMENTATION CABLE USED TO LINK THE TRAFFIC MANAGEMENT CENTER WITH EACH IP-ADDRESSABLE CAMERA IN FREEWAY, INTERSECTION, BRIDGE, TUNNEL, RAILROAD, AND TRAFFIC MONITORING APPLICATIONS. FOR ITERIS® CAMERA'S RZ4CA-WDR AND RZ4C.

CATALOG NUMBER	TYPE	CENTER COND. NOM D.C.R.	DIELECTRIC	OVERALL JACKET O.D.	SHIELDS	NOM. IMP.	NOM. CAP	NOM. (VP)
MWC-8078	RG59/U	20 AWG	LOW DENSITY	.364	1 ST	75 OHMS	20.5	66%
		SOLID	PE		98% TC BRAID			
					2 ND			
					98% TC BRAID			
	16 AWG	26/30 BC	PVC		N/S			
	3/C							

COLOR CODE: WHITE, GREEN, BLACK

NOTE: THE DATA SHOWN IS AN APPROXIMATE AND SUBJECT TO STANDARD INDUSTRY TOLERANCE.

XHHW-2 COPPER 90C 600 VOLT

XLP CROSS-LINKED POLYETHYLENE INSULATION 600 VOLT

CONSTRUCTION: STRANDED, ANNEALED BARE COPPER CONDUCTORS, XLP CROSS-LINKED POLYETHYLENE INSULATION. 90C WET/DRY LOCATIONS 600 VOLT.



APPLICATION: GENERAL PURPOSE WIRING FOR LIGHTING AND POWER IN RESIDENTIAL, COMMERCIAL, AND INDUSTRIAL BUILDINGS IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE. FOR INSTALLATIONS IN CONDUIT OR OTHER RECOGNIZED RACEWAYS.

CATALOG NUMBER	AWG SIZE	NUMBER STR	INSULATION THICKNESS	NOMINAL O.D. INCHES	AMPACITY 90C	APPROX WGHT (LBS/MFT)
MWC-1004	14	SOLID	0.30	.139	35	18
MWC-1005	12	SOLID	0.30	.158	40	26
MWC-1006	10	SOLID	0.30	.182	55	40
MWC-1007	14	7	0.30	.139	35	18
MWC-1008	12	7	0.30	.158	40	26
MWC-1009	10	7	0.30	.182	55	40
MWC-1014	8	7	0.45	.242	80	66
MWC-1015	6	7	0.45	.280	105	100
MWC-1020	4	7	0.45	.328	140	152
MWC-1034	3	7	0.45	.355	165	185
MWC-1035	2	7	0.45	.389	190	234
MWC-1048	1	19	0.55	.434	220	290
MWC-1049	1/0	19	0.55	.473	260	361
MWC-1060	2/0	19	0.55	.517	300	450
MWC-1061	3/0	19	0.55	.567	350	561
MWC-1062	4/0	19	0.55	.623	405	701
MWC-1073	250	37	0.65	.713	455	846
MWC-1074	300	37	0.65	.759	505	992
MWC-1075	350	37	0.65	.819	570	1168
MWC-1084	400	37	0.65	.858	615	1327
MWC-1085	500	37	0.65	.951	700	1646
MWC-1093	600	61	0.80	1.053	780	1966
MWC-1098	750	61	0.80	1.166	885	2470
MWC-1099	1000	61	0.80	1.290	965	3240

AMPACITY IN ACCORDANCE WITH NEC FOR NOT MORE THAN THREE CONDUCTORS IN RACEWAY AT THE CONDUCTOR TEMPERATURE INDICATED, IN WET OR DRY LOCATIONS, 30C AMBIENT TEMPERATURE.

***NOTE:** SIZES 1/0 AND LARGER FOR CIRCUIT AND GROUNDING CONDUCTORS ARE MARKED "CABLE TRAY USE" OR "CT USE"

***NOTE:** ALSO AVAILABLE IN ALUMINIUM. I.E., MWC-1049-01-AL.

THE OVER CURRENT PROTECTION SHALL NOT EXCEED 15 AMPERES FOR 14AWG, 20 AMPERES FOR 12AWG AND 30 AMPERES FOR 10AWG COPPER PER NEC 310-17 FOOTNOTE.

NOTE: AVAILABLE IN VARIOUS COLORS: USE COLOR CODE SUFFIX WHEN ORDERING:

BLACK-01	ORANGE-04	BLUE-07	GREY-10	PINK-13	VIOLET-19
WHITE-02	YELLOW-05	BROWN-08	DK BLUE-11	DK RED-14	AQUA-20
RED-03	GREEN-06	LT GREEN-09	DK GREEN-12	LT BLUE-16	TAN-88

****ASK ABOUT OUR IN-HOUSE STRIPING CAPABILITIES, SINGLE COMPARTMENT REELS AND REEL RETURN PROGRAM.**

NOTE: THE DATA SHOWN IS AN APPROXIMATE AND SUBJECT TO STANDARD INDUSTRY TOLERANCE.

XLP-RHH-RHW-USE-2 COPPER 90C 600 VOLT

XLP INSULATION UNDERGROUND SERVICE ENTRANCE 600 VOLT

CONSTRUCTION: STRANDED BARE COPPER CONDUCTOR
CROSS-LINKED POLYETHYLENE INSULATION (XLP) 90C 600 VOLT



APPLICATIONS: FOR LIGHTING AND POWER APPLICATIONS IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND FOR OTHER GENERAL PURPOSE WIRING APPLICATIONS. SUITABLE FOR USE IN CIRCUITS NOT EXCEEDING 600 VOLTS AT CONDUCTOR. TEMPERATURES NOT EXCEEDING 90C IN WET OR DRY LOCATIONS. MAY BE INSTALLED IN RACEWAY, DUCT, DIRECT BURIAL AND AERIAL INSTALLATIONS.

CATALOG NUMBER	SIZE AWG	NUMBER STRANDS	INSULATION THICKNESS INCHES	NOMINAL OD INCH	APPROX WEIGHT LBS/MFT
MWC-2751	12	SOLID	.045	.171	28
MWC-2752	10	SOLID	.045	.192	41
MWC-1532	14	7	.045	.169	22
MWC-1533	12	7	.045	.188	30
MWC-1534	10	7	.045	.212	45
MWC-1535	8	7	.060	.272	73
MWC-1536	6	7	.060	.310	107
MWC-1537	4	7	.060	.358	161
MWC-1538	3	7	.060	.382	193
MWC-1539	2	7	.060	.419	244
MWC-1541	1	19	.080	.484	307
MWC-1542	1/0	19	.080	.523	379
MWC-1543	2/0	19	.080	.567	469
MWC-1544	3/0	19	.080	.617	582
MWC-1545	4/0	19	.080	.673	724
MWC-1546	250	37	.095	.773	873
MWC-1547	300	37	.095	.819	1027
MWC-1548	350	37	.095	.871	1200
MWC-1549	400	37	.095	.918	1349
MWC-1551	500	37	.095	1.011	1683
MWC-1552	600	61	.110	1.116	2014
MWC-1553	750	61	.110	1.226	2508
MWC-1554	1000	61	.110	1.350	3420
MWC-1555	1250	91	.125	1.510	4130
MWC-1556	1500	91	.125	1.630	4930

**ASK ABOUT OUR IN-HOUSE STRIPING CAPABILITIES, SINGLE COMPARTMENT REELS AND REEL RETURN PROGRAM.

NOTE - AVAILABLE IN VARIOUS COLORS: USE COLOR CODE SUFFIX WHEN ORDERING:

BLACK-01	ORANGE-04	BLUE-07	GREY-10	PINK-13	VIOLET-19
WHITE-02	YELLOW-05	BROWN-08	DK BLUE-11	DK RED-14	AQUA-20
RED-03	GREEN-06	LT GREEN-09	DK GREEN-12	LT BLUE-16	TAN-88

NOTE: THE DATA SHOWN IS AN APPROXIMATE AND SUBJECT TO STANDARD INDUSTRY TOLERANCE.

XLP-RHH-RHW-USE-2 ALUMINUM 90C 600 VOLT

CONSTRUCTION: STRANDED ALUMINUM CONDUCTORS. INSULATION IS AN ABRASION, MOISTURE, HEAT AND SUNLIGHT RESISTANT BLACK CROSS-LINKED POLYETHYLENE (XLP)



APPLICATIONS: FOR LIGHTING AND POWER APPLICATIONS IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND FOR OTHER GENERAL PURPOSE WIRING APPLICATIONS. SUITABLE FOR USE IN CIRCUITS NOT EXCEEDING 600 VOLTS AT CONDUCTOR. TEMPERATURES NOT EXCEEDING 90C IN WET OR DRY LOCATIONS. MAY BE INSTALLED IN RACEWAY, DUCT, DIRECT BURIAL AND AERIAL INSTALLATIONS.

CATALOG NUMBER	CONDUCTOR		INSULATION THICKNESS	NOMINAL OD MILS	APPROX WEIGHT LBS/MFT	ALLOWABLE AMPACITIES*		
	SIZE AWG or kcmil	NO. OF STRANDS				60C	75C	90C
MWC-1535-AL	8	7	.060	.257	36	30	40	45
MWC-1536-AL	6	7	.060	.283	44	40	50	50
MWC-1537-AL	4	7	.060	.333	64	55	65	75
MWC-1539-AL	2	6	.060	.388	93	75	90	100
MWC-1541-AL	1	18	.080	.459	124	85	100	115
MWC-1542-AL	1/0	18	.080	.496	149	100	120	135
MWC-1543-AL	2/0	18	.080	.536	180	115	135	150
MWC-1544-AL	3/0	18	.080	.583	218	130	155	175
MWC-1545-AL	4/0	18	.080	.635	266	150	180	205
MWC-1546-AL	250	22	.095	.710	322	170	205	230
MWC-1547-AL	300	35	.095	.760	377	190	230	255
MWC-1548-AL	350	35	.095	.806	431	210	250	280
MWC-1549-AL	400	35	.095	.849	484	225	270	305
MWC-1551-AL	500	35	.095	.926	590	260	310	350
MWC-1552-AL	600	58	.110	1.033	718	285	340	385
MWC-1553-AL	750	58	.110	1.128	876	320	385	435
MWC-1554-AL	1000	58	.110	1.280	1138	375	445	500

*ALLOWABLE AMPACITIES SHOWN ARE FOR GENERAL USE AS SPECIFIED BY THE NATIONAL ELECTRICAL CODE 2011 EDITION SECTION 310.15 AND 240.4(D).

UNLESS THE EQUIPMENT IS MARKED FOR USE AT HIGHER TEMPERATURES THE CONDUCTOR AMPACITIES SHALL BE LIMITED TO THE FOLLOWING PER NEC 110.14(C).

60C - WHEN TERMINATED TO EQUIPMENT FOR CIRCUITS RATED 100 AMPERES OR LESS OR MARKED FOR 14 THROUGH 1 AWG CONDUCTORS

75C WET OR DRY - WHEN TERMINATED TO EQUIPMENT FOR CIRCUITS RATED OVER 100 AMPERES OR MARKED FOR CONDUCTORS LARGER THAN 1 AWG

90C - XHHW WET OR DRY LOCATIONS FOR AMPACITY ADJUSTMENT PURPOSES USING NEC SECTION 310.15

NOTE: AVAILABLE IN VARIOUS COLORS - USE COLOR CODE SUFFIX WHEN ORDERING:

BLACK-01	ORANGE-04	BLUE-07	GREY-10	PINK-13	VIOLET-19
WHITE-02	YELLOW-05	BROWN-08	DK BLUE-11	DK RED-14	AQUA-20
RED-03	GREEN-06	LT GREEN-09	DK GREEN-12	LT BLUE-16	TAN-88

**ASK ABOUT OUR IN-HOUSE STRIPING CAPABILITIES, SINGLE COMPARTMENT REELS AND REEL RETURN PROGRAM.

NOTE: THE DATA SHOWN IS AN APPROXIMATE AND SUBJECT TO STANDARD INDUSTRY TOLERANCE.

EPR/CPE-RHH-RHW-USE-2 COPPER 90C 600V

CONSTRUCTION: BARE COPPER CONDUCTORS, ETHYLENE PROPYLENE RUBBER (EPR) INSULATION, FLAME RETARDANT CHLORINATED POLYETHYLENE COMPOUND (CPE).



APPLICATIONS: FOR POWER, LIGHTING, SIGNAL AND CONTROL CIRCUITS. INSTALLED IN WET OR DRY LOCATIONS. MAY BE INSTALLED IN CONDUIT, DUCT, TRAY AND OPEN AIR, AND AERIAL INSTALLATIONS. SUITABLE FOR USE IN INDUSTRIAL AREAS AND UTILITY SYSTEMS WHERE FLAME RESISTANCE IS ESSENTIAL. EXTRA-TOUGH, MECHANICALLY RUGGED COMPOSITE INSULATION AND JACKET CONSTRUCTION.

CATALOG NUMBER	AWG SIZE	NO. STRANDS	THICKNESS MILS		APPROX O.D.	COPPER WEIGHT	APPROX WGT (LBS/MFT)
			INSUL	JACKET			
MWC-7238	14	7	30	15	.17	12.7	24
MWC-7239	12	7	30	15	.19	20.2	33
MWC-7240	10	7	30	15	.21	32.0	48
MWC-7241	8	7	45	15	.28	50.1	77
MWC-7242	6	7	45	30	.35	81.1	122
MWC-7243	4	7	45	30	.39	128.9	178
MWC-7244	2	7	45	30	.46	204.9	265
MWC-7245	1	19	55	45	.54	285.4	355
MWC-7246	1/0	19	55	45	.58	325.8	422
MWC-7247	2/0	19	55	45	.63	410.9	518
MWC-7248	3/0	19	55	45	.67	586.2	632
MWC-7249	4/0	19	55	45	.74	653.0	785
MWC-7251	250MCM	37	65	65	.85	772.0	960
MWC-7252	350MCM	37	65	65	.96	1081.0	1127
MWC-7253	500MCM	37	65	65	1.09	1542.0	1792
MWC-7254	750MCM	61	80	65	1.31	2316.0	2649
MWC-7255	1000MCM	61	80	65	1.46	3806.0	3465

NOTE: AVAILABLE IN VARIOUS COLORS: USE COLOR CODE SUFFIX WHEN ORDERING

BLACK-01	ORANGE-04	BLUE-07	GREY-10	PINK-13	VIOLET-19
WHITE-02	YELLOW-05	BROWN-08	DK BLUE-11	DK RED-14	AQUA-20
RED-03	GREEN-06	LT GREEN-09	DK GREEN-12	LT BLUE-16	TAN-88

ADD "TC" FOR TINNED COPPER I.E., MWC-7238-01-TC

STANDARDS:

1. LISTED BY UNDERWRITERS LABORATORIES AS TYPES RHW-2 (90C WET OR DRY) OR RHH (90C DRY).
2. CABLES ARE UL LISTED AS SUNLIGHT RESISTANT (1/0 AWG AND LARGER).
3. SIZE 1/0 AND LARGER ARE UL LISTED FOR CT USE.

**ASK ABOUT OUR IN-HOUSE STRIPING CAPABILITIES, SINGLE COMPARTMENT REELS AND REEL RETURN PROGRAM.

NOTE: THE DATA SHOWN IS AN APPROXIMATE AND SUBJECT TO STANDARD INDUSTRY TOLERANCE.

EPR/CPE-RHH-RHW-USE-2 COPPER 90C 2KV

CONSTRUCTION: ANNEALED TINNED SOFT DRAWN COPPER CONDUCTOR, ETHYLENE PROPYLENE RUBBER (EPR) INSULATION, FLAME RETARDANT THERMOSET CHLORINATED POLYETHYLENE COMPOUND (CPE).



APPLICATIONS: FOR POWER, LIGHTING, SIGNAL AND CONTROL CIRCUITS. INSTALLED IN WET OR DRY LOCATIONS. MAY BE INSTALLED IN CONDUIT, DUCT, TRAY AND OPEN AIR, AND AERIAL INSTALLATIONS. SUITABLE FOR USE IN INDUSTRIAL AREAS AND UTILITY SYSTEMS WHERE FLAME RESISTANCE IS ESSENTIAL. EXTRA-TOUGH, MECHANICALLY RUGGED COMPOSITE INSULATION AND JACKET CONSTRUCTION.

CATALOG NUMBER	AWG SIZE	NO. STRANDS	THICKNESS MILS		APPROX O.D.	APPROX WGHT (LBS/MFT)
			INSUL	JACKET		
MWC-1462	14	7	45	15	.20	28
MWC-1463	12	7	45	15	.22	36
MWC-1464	10	7	45	15	.25	51
MWC-1465	8	7	55	30	.32	81
MWC-1466	6	7	55	30	.36	124
MWC-1467	4	7	55	30	.41	180
MWC-1468	3	7	55	30	.43	240
MWC-1469	2	7	55	30	.47	270
MWC-1470	1	19	65	45	.56	355
MWC-1471	1/0	19	65	45	.60	421
MWC-1472	2/0	19	65	45	.64	530
MWC-1473	3/0	19	65	45	.69	650
MWC-1474	4/0	19	65	45	.75	795
MWC-1475	250	37	75	65	.86	955
MWC-1476	350	37	75	65	.96	1290
MWC-1477	500	37	75	65	1.09	1785
MWC-1478	750	61	90	65	1.30	2675
MWC-1479	1000	61	90	65	1.45	3510

ADD "BC" FOR BARE COPPER I.E., MWC-1462-01-BC

NOTE: AVAILABLE IN VARIOUS COLORS: USE COLOR CODE SUFFIX WHEN ORDERING

BLACK-01	ORANGE-04	BLUE-07	GREY-10	PINK-13	VIOLET-19
WHITE-02	YELLOW-05	BROWN-08	DK BLUE-11	DK RED-14	AQUA-20
RED-03	GREEN-06	LT GREEN-09	DK GREEN-12	LT BLUE-16	TAN-88

STANDARDS:

1. LISTED BY UNDERWRITERS LABORATORIES AS TYPES RHW-2 (90C WET OR DRY) OR RHH (90C DRY), 2KV PER STANDARD 44.
2. CABLES ARE UL LISTED AS SUNLIGHT RESISTANT (1/0 AWG AND LARGER)
3. SIZE 1/0 AND LARGER ARE UL LISTED FOR CT USE.

**ASK ABOUT OUR IN-HOUSE STRIPING CAPABILITIES, SINGLE COMPARTMENT REELS AND REEL RETURN PROGRAM.

NOTE: THE DATA SHOWN IS AN APPROXIMATE AND SUBJECT TO STANDARD INDUSTRY TOLERANCE.

THHN / THWN / MTW / AWM 90C/75C 600 VOLT

PVC INSULATION / NYLON JACKET

CONSTRUCTION: SOLID OR STRANDED, ANNEALED BARE COPPER CONDUCTOR POLYVINYL CHLORIDE WITH OUTER SHEATH OF NYLON.



APPLICATION: GENERAL PURPOSE WIRING IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE, MAXIMUM CONDUCTOR TEMPERATURE OF 90C IN DRY LOCATIONS AND 75C IN WET LOCATIONS 600 VOLTS FOR INSTALLATION IN CONDUIT OR OTHER RECOGNIZED RACEWAY. ALSO USED FOR WIRING MACHINE TOOLS, APPLIANCES AND CONTROL CIRCUITS.

CATALOG NUMBER	AWG SIZE	NUMBER STR	INSULATION THICKNESS	JACKET THICKNESS	APPROX O.D.	AMPACITY		APPROX WGT (LBS/MFT)
						75C-THWN	90C-THHN	
MWC-5998	18 TFN	SOLID	.015	.005	0.08	6	6	8
MWC-5999	16 TFN	SOLID	.015	.005	0.09	8	8	11
MWC-6000	14	SOLID	.015	.004	0.11	15	15	17
MWC-6001	12	SOLID	.015	.004	0.13	20	20	25
MWC-6002	10	SOLID	.020	.004	0.16	30	30	39
MWC-6010	18 TFFN	16	.015	.004	0.10	6	6	9
MWC-6011	16 TFFN	26	.015	.004	0.11	8	8	12
MWC-6012	14	19	.015	.004	0.12	15	15	17
MWC-6013	12	19	.015	.004	0.14	20	20	25
MWC-6014	10	19	.020	.004	0.17	30	30	40
MWC-6015	8	19	.030	.005	0.23	45	50	71
MWC-6016	6	19	.030	.005	0.26	65	70	99
MWC-6017	4	19	.040	.006	0.33	85	90	168
MWC-6018	3	19	.040	.006	0.36	100	105	204
MWC-6019	2	19	.040	.006	0.39	115	120	254
MWC-6020	1	19	.050	.007	0.45	130	140	319
MWC-6021	1/0	19	.050	.007	0.50	150	155	395
MWC-6022	2/0	19	.050	.007	0.54	175	185	485
MWC-6023	3/0	19	.050	.007	0.60	200	210	600
MWC-6024	4/0	19	.050	.007	0.66	230	235	745
MWC-6025	250	37	.060	.008	0.72	255	270	905
MWC-6026	300	37	.060	.008	0.77	285	300	1020
MWC-6027	350	37	.060	.008	0.83	310	325	1225
MWC-6028	400	37	.060	.008	0.87	335	360	1401
MWC-6029	500	37	.060	.008	0.96	380	405	1725
MWC-6030	600	61	.070	.009	1.06	420	455	2005
MWC-6031	750	61	.070	.009	1.17	475	500	2523
MWC-6032	1000	61	.070	.009	1.32	545	585	3300

AMPACITY IN ACCORDANCE WITH NEC FOR NOT MORE THAN THREE CONDUCTORS IN RACEWAY. AS THHN 90C CONDUCTOR TEMPERATURE AND 30C AMBIENT IN DRY LOCATIONS, AS THWN 75C WET OR DRY CONDUCTOR TEMPERATURE AND 30C AMBIENT IN WET OR DRY LOCATIONS.

*NOTE: SIZES 1/0 AND LARGER FOR CIRCUIT AND GROUNDING CONDUCTORS ARE MARKED "CABLE TRAY USE" OR "CT USE"

THE OVER CURRENT PROTECTION SHALL NOT EXCEED 15 AMPERES FOR 14AWG, 20 AMPERES FOR 12 AWG AND 30 AMPERES FOR 10AWG COPPER.

NOTE: ALSO AVAILABLE IN A MULTI-CONDUCTOR BUNDLED CONSTRUCTION. ASK ABOUT OUR IN-HOUSE STRIPING CAPABILITIES, SINGLE COMPARTMENT REELS AND REEL RETURN PROGRAM.

AVAILABLE IN VARIOUS COLORS: USE COLOR CODE SUFFIX WHEN ORDERING:

BLACK-01	ORANGE-04	BLUE-07	GREY-10	PINK-13	VIOLET-19
WHITE-02	YELLOW-05	BROWN-08	DK BLUE-11	DK RED-14	AQUA-20
RED-03	GREEN-06	LT GREEN-09	DK GREEN-12	LT BLUE-16	TAN-88

NOTE: THE DATA SHOWN IS AN APPROXIMATE AND SUBJECT TO STANDARD INDUSTRY TOLERANCE.

BARE COPPER

CONSTRUCTION: BARE ANNEALED COPPER, SOLID OR STRANDED. AVAILABLE IN HARD DRAWN, MEDIUM DRAWN AND SOFT DRAWN.

APPLICATIONS: SOLID OR STRANDED (HARD OR MEDIUM DRAWN TEMPER) FOR USE OVERHEAD, OUTDOORS ON INSULATORS FOR DISTRIBUTION CIRCUITS. STRANDED (HARD, MEDIUM OR SOFT TEMPER) FOR GROUNDING AND ROUND SOLID (HARD DRAWN TEMPER) AS TROLLEY WIRE.



SOLID COPPER CONDUCTOR

HARD TEMPER	MEDIUM TEMPER	SOFT TEMPER	AWG SIZE	STR	APPROX O.D. INCHES	AMPS PER COND	APPROX WGHT (LBS/MFT)
MWC-7552H	MWC-7552M	MWC-7552S	14	1	0.064	32	13
MWC-7553H	MWC-7553M	MWC-7553S	12	1	0.081	41	20
MWC-7554H	MWC-7554M	MWC-7554S	10	1	0.102	68	31
MWC-7555H	MWC-7555M	MWC-7555S	8	1	0.129	95	50
MWC-7556H	MWC-7556M	MWC-7556S	6	1	0.162	125	79
MWC-7557H	MWC-7557M	MWC-7557S	4	1	0.204	170	126
MWC-7558H	MWC-7558M	MWC-7558S	2	1	0.258	225	201

STRANDED COPPER CONDUCTOR

HARD TEMPER	MEDIUM TEMPER	SOFT TEMPER	AWG SIZE	STR	APPROX O.D. INCHES	AMPS PER COND	APPROX WGHT (LBS/MFT)
MWC-7559H	MWC-7559M	MWC-7559S	10	7	0.130	50	32
MWC-7560H	MWC-7560M	MWC-7560S	8	7	0.146	95	51
MWC-7561H	MWC-7561M	MWC-7561S	6	7	0.184	130	81
MWC-7562H	MWC-7562M	MWC-7562S	4	7	0.232	170	129
MWC-7563H	MWC-7563M	MWC-7563S	2	7	0.292	230	205
MWC-7564H	MWC-7564M	MWC-7564S	1	7	0.328	265	259
MWC-7565H	MWC-7565M	MWC-7565S	1	19	0.333	265	259
MWC-7566H	MWC-7566M	MWC-7566S	1/0	7	0.368	310	326
MWC-7567H	MWC-7567M	MWC-7567S	1/0	19	0.373	310	326
MWC-7568H	MWC-7568M	MWC-7568S	2/0	7	0.414	355	411
MWC-7569H	MWC-7569M	MWC-7569S	2/0	19	0.418	355	411
MWC-7570H	MWC-7570M	MWC-7570S	3/0	7	0.464	410	518
MWC-7571H	MWC-7571M	MWC-7571S	3/0	19	0.470	410	518
MWC-7572H	MWC-7572M	MWC-7572S	4/0	7	0.522	480	653
MWC-7573H	MWC-7573M	MWC-7573S	4/0	19	0.528	480	653
MWC-7574H	MWC-7574M	MWC-7574S	250MCM	19	0.574	530	772
MWC-7575H	MWC-7575M	MWC-7575S	250MCM	37	0.575	530	772
MWC-7576H	MWC-7576M	MWC-7576S	350MCM	19	0.679	650	1081
MWC-7577H	MWC-7577M	MWC-7577S	350MCM	37	0.681	650	1081
MWC-7578H	MWC-7578M	MWC-7578S	500MCM	19	0.811	810	1544
MWC-7579H	MWC-7579M	MWC-7579S	500MCM	37	0.814	810	1544
MWC-7580H	MWC-7580M	MWC-7580S	750MCM	61	0.998	1040	2316
MWC-7581H	MWC-7581M	MWC-7581S	1000MCM	61	1.152	1240	3088

*NOTE: ADD "T" AFTER PART NUMBER FOR TINNED COPPER I.E., MWC-7559ST

**AMPACITIES BASED ON 25C AMBIENT TEMPERATURE, SINGLE CONDUCTOR IN OPEN AIR PER NEC

NOTE: THE DATA SHOWN IS AN APPROXIMATE AND SUBJECT TO STANDARD INDUSTRY TOLERANCE.

WEATHERPROOF OVERHEAD COPPER COVERED LINE WIRE

CONSTRUCTION: COPPER COVERED LINE WIRE AVAILABLE IN VARIOUS SIZES, TEMPER AND STRANDINGS WITH BLACK HMW-POLYETHYLENE OR XLP JACKET.

- ASTM B1 - HARD-DRAWN COPPER WIRE
- ASTM B2 - MEDIUM-HARD-DRAWN COPPER WIRE
- ASTM B3 - SOFT OR ANNEALED COPPER WIRE
- ASTM B4 - CONCENTRIC-LAY-STRANDED COPPER CONDUCTORS HARD, MEDIUM-HARD OR SOFT

APPLICATIONS: PRIMARY AND SECONDARY DISTRIBUTION ON POLE LINES, SERVICE FROM POLE TO WEATHERHEAD, DISTRIBUTION INDOORS AND OUT. MINING, INDUSTRIAL, RAILROAD AND OTHER APPLICATIONS.



CATALOG NUMBER	SIZE AWG	CONDUCTOR STR	INSULATION THICKNESS	APPROX WT LBS/MFT
MWC-7211	14	SOLID	2/64"	16
MWC-7212	12	SOLID	2/64"	24
MWC-7213	10	SOLID	2/64"	37
MWC-7214	8	SOLID	2/64"	56
MWC-7216	6	SOLID	2/64"	87
MWC-7217	4	SOLID	2/64"	136
MWC-7218	3	SOLID	3/64"	176
MWC-7220	2	SOLID	3/64"	219
MWC-7272	1	SOLID	3/64"	275
MWC-7273	1/0	SOLID	4/64"	353
MWC-7274	2/0	SOLID	4/64"	440
MWC-7221	14	19	2/64"	17
MWC-7222	12	19	2/64"	32
MWC-7223	10	19	2/64"	38
MWC-7224	8	19	2/64"	58
MWC-7226	6	7	2/64"	92
MWC-7227	4	7	2/64"	143
MWC-7228	2	7	3/64"	230
MWC-7229	1	7	3/64"	287
MWC-7230	1/0	7	4/64"	367
MWC-7231	1/0	19	4/64"	367
MWC-7232	2/0	7	4/64"	458
MWC-7233	2/0	19	4/64"	458
MWC-7234	3/0	7	4/64"	572
MWC-7235	3/0	19	4/64"	572
MWC-7236	4/0	7	4/64"	715
MWC-7237	4/0	19 or 37	4/64"	715
MWC-7280	250MCM	19	4/64"	834
MWC-7281	300MCM	19	4/64"	996
MWC-7282	350MCM	19 or 37	4/64"	1157
MWC-7283	500MCM	37	5/64"	1648
MWC-7284	750MCM	61	6/64"	2481
MWC-7285	1000MCM	61	6/64"	3234

NOTE: AVAILABLE IN HARD, MEDIUM-HARD OR SOFT DRAWN COPPER. USE SUFFIX WHEN ORDERING (-HD, -MHD, -SD) I.E., EXAMPLE: MWC-7226-HD. FOR XLP ONLY, HARD DRAWN, EXAMPLE: MWC-7226-HD-XLP

NOTE: THE DATA SHOWN IS AN APPROXIMATE AND SUBJECT TO STANDARD INDUSTRY TOLERANCE.

GALVANIZED STEEL GUY WIRE

CONSTRUCTION: CONCENTRICALLY STRANDED GALVANIZED STEEL STRAND AVAILABLE IN CLASSES A, B AND C GRADES, UTILITIES, COMMON, SIEMENS-MARTIN, HIGH STRENGTH AND EXTRA HIGH STRENGTH FINISH COATINGS. CLASS A, B AND C AND BENZINAL, A SUPERIOR CORROSIVE COATING OF 5% ALUMINUM AND 95% ZINC. INCLUDING BUT NOT LIMITED TO:



ASTM A-363 ZINC-COATED GALVANIZED STEEL OVERHEAD GROUND WIRE STRAND
 ASTM A-475 ZINC-COATED STEEL WIRE STRAND
 ASTM A-925 -5% ALUMINUM-MISCHMETAL ALLOY-COATED STEEL OVERHEAD GROUND WIRE STRAND BEZINAL
 ASTM A-855 ZINC-5% ALUMINUM-MISCHMETAL ALLOY-COATED STEEL WIRE STRAND
 ASTM A-640 ZINC-COATED STEEL STRAND FOR MESSENGER SUPPORT OF FIGURE 8 CABLE

APPLICATION: USED AS OVERHEAD GROUND WIRE OR STATIC WIRE ON TRANSMISSION LINES, AS POLE OR STRUCTURE GUY WIRES AND AS MESSENGER CABLE FOR FIELD INSTALLATIONS.

GALVANIZED STEEL STRAND					MINIMUM BREAKING STRENGTH IN POUNDS					MINIMUM WEIGHT OF COATING OZ/SQ. FT.		
BASE CATALOG NUMBER	STRAND DIA. INCHES	COATED DIA. INCHES	WIRES PER STRAND	STRAND WEIGHT/1000 FT. POUNDS	UTIL. GRADE (UG)	COMMON GRADE (CG)	SIEMENS-MARTIN GRADE (SMG)	HIGH STRENGTH GRADE (HSG)	EXTRA HIGH STRENGTH GRADE (EHSG)	CLASS A	CLASS B	CLASS C
6919	1/4	0.120	3	117	3150	1860	3040	4730	6740	0.85	1.70	2.55
6933	1/4	0.120	3	177	4500					0.85	1.70	2.55
6934	5/16	0.145	3	171	6500	2490	4090	6350	9100	0.90	1.80	2.70
6935	3/8	0.165	3	220	8500	3330	5560	8360	11800	0.90	1.80	2.70
6936	3/16	0.062	7	73		1150	1900	2850	3990	0.5	1.0	1.5
6937	3/16	0.065	7	80	2400					0.5	1.0	1.5
6997	7/32	0.072	7	98		1540	2560	3850	5400	0.5	1.0	1.5
6920	1/4	0.080	7	121		1900	3150	4750	6650	0.6	1.2	1.8
6939	9/32	0.093	7	164	4600	2570	4250	6400	8950	0.7	1.4	2.1
6921	5/16	0.104	7	205		3200	5350	8000	11200	0.8	1.6	2.4
6969	5/16	0.109	7	225	6000					0.8	1.6	2.4
6922	3/8	0.120	7	273	11500	4250	6950	10800	15400	0.85	1.7	2.55
6923	7/16	0.145	7	399	18000	5700	9350	14500	20800	0.9	1.8	2.7
6924	1/2	0.165	7	517	25000	7400	12100	18800	26900	0.9	1.8	2.7
6925	9/16	0.188	7	671		9600	15700	24500	35000	1.0	2.0	3.0
6926	5/8	0.207	7	813		11600	19100	29600	42400	1.0	2.0	3.0
6927	1/2	0.100	19	504		7620	12700	19100	26700	0.7	1.4	2.1
6928	9/16	0.113	19	637		9640	16100	24100	33700	0.8	1.6	2.4
6929	5/8	0.125	19	796		11000	18100	28100	40200	0.85	1.7	2.55
6930	3/4	0.150	19	1155		1600	26200	40800	58300	0.9	1.8	2.7
6931	7/8	0.177	19	1581		21900	35900	55800	79700	0.9	1.8	2.7
6932	1	0.200	19	2073		28700	47000	73200	104500	1.0	2.0	3.0

EXAMPLE: MWC-6921-CG-A
 MWC-6921-EHSG-A
 MWC-6922-EHSG-BEZINAL

NOTE: THE DATA SHOWN IS AN APPROXIMATE AND SUBJECT TO STANDARD INDUSTRY TOLERANCE.

FAA-L-824-C 5KV NON-SHIELDED XLP

CONSTRUCTION: STRANDED ANNEALED UNCOATED COPPER CONDUCTOR COVERED WITH A LAYER OF SEMI CONDUCTING TAPE, CROSS-LINKED POLYETHYLENE (XLP) INSULATION/JACKET, 90C, WET OR DRY LOCATIONS



APPLICATIONS: DESIGNED FOR INSULATION IN AERIAL, DUCTS, CONDUIT OR DIRECT BURIAL FOR USE IN AIRPORT LIGHTING AND CONTROL CIRCUITS

CATALOG NUMBER	AWG SIZE	NUMBER OF STRANDS	INSULATION THICKNESS	APPROX NOMINAL OLD. IN	APPROX WGT (Lbs./MFT)
MWC-5789	8	7	110	.375	92
MWC-5790	6	7	110	.410	129
MWC-5791	4	7	110	.460	185

*COLORS AND LONGITUDINAL STRIPE AVAILABLE

FAA-L-824-B 5KV NON-SHIELDED EPR/TS-CPE

CONSTRUCTION: STRANDED ANNEALED UNCOATED COPPER, ETHYLENE-PROPYLENE RUBBER (EPR) INSULATION, THERMOSET-CHLORINATED POLYETHYLENE BLACK JACKET 90C, WET OR DRY LOCATIONS. RESISTANT TO MOST OILS, ACIDS AND ALKALINES, WITH SUPERIOR FLEXIBILITY



APPLICATIONS: RECOMMENDED FOR LIGHTING AIRPORT RUNWAYS, CONTROL SYSTEMS, DESIGNED FOR USE IN DUCTS, AERIAL, CONDUIT OR DIRECT BURIAL

CATALOG NUMBER	AWG SIZE	NUMBER OF STRANDS	INSULATION THICKNESS	JACKET THICKNESS	APPROX NOMINAL O.D.	APPROX WGT (Lbs./MFT)
MWC-8076	8	7	125	80	0.60	250
MWC-8077	6	7	125	80	0.63	295

*COLORS AND LONGITUDINAL STRIPE AVAILABLE

TRAFFIC LOOP SEALANT



APPLICATION: MOISTURE CURING SEALANT FOR BOTH CONCRETE AND ASPHALT PAVEMENTS TO PROVIDE A WEATHER AND CHEMICAL RESISTANT WATERPROOF SEAL FOR DETECTOR WIRES.

CATALOG NUMBER	SPECIAL PACKAGING	COLOR
DHE-3302	1 QUART TUBE	BLACK
DHE-3302-10	1 QUART TUBE	GREY
DHE-3316	4.5 GAL PAIL	BLACK
DHE-4141	1 GALLON	GREY
DHE-4141-01	1 GALLON	BLACK

NOTE: THE DATA SHOWN IS AN APPROXIMATE AND SUBJECT TO STANDARD INDUSTRY TOLERANCE.

IMSA COLOR CODES

IMSA CABLED CONDUCTORS		
COND. NO.	INSULATION COLOR	STRIPE COLOR
1	BLACK	-
2	WHITE	-
3	RED	-
4	GREEN	-
5	ORANGE	-
6	BLUE	-
7	WHITE	BLACK
8	RED	BLACK
9	GREEN	BLACK
10	ORANGE	BLACK
11	BLUE	BLACK
12	BLACK	WHITE
13	RED	WHITE
14	GREEN	WHITE
15	BLUE	WHITE
16	BLACK	RED
17	WHITE	RED
18	ORANGE	RED
19	BLUE	RED
20	RED	GREEN
21	ORANGE	GREEN
22	BLACK	-
23	WHITE	-
24	RED	-
25	GREEN	-

CABLES PER IMSA SPECS:

19-1, 19-3, 19-5, 20-1, 20-3, 20-5
39-2, 39-4, 39,6. 40-2, 40-4, 40-6

THIS COLOR CODE USES ONLY SIX DIFFERENT INSULATION COLORS. DIFFERENT COLORED SINGLE STRIPES IDENTIFY CONDUCTORS NUMBERED 7 THROUGH 21. THE SEQUENCE IS REPEATED IN CABLES HAVING MORE THAN 21 CONDUCTORS THE REPEAT SEQUENCE CONDUCTORS ARE IDENTIFIABLE BY THEIR LOCATION IN THE CONCENTRIC LAYERS OF CONDUCTORS IN THE CABLE ASSEMBLY; THE LOWER CONDUCTOR NUMBERS BEING IN THE CENTER OF INNERMOST LAYERS; THE HIGHER CONDUCTOR NUMBERS BEING IN THE OUTER LAYERS.

IMSA TWISTED PAIRS	
PAIR NO.	COLOR COMBINATION
1	WHITE & BLUE
2	WHITE & ORANGE
3	WHITE & GREEN
4	WHITE & BROWN
5	WHITE & SLATE
6	RED & BLUE
7	RED & ORANGE
8	RED & GREEN
9	RED & BROWN
10	RED & SLATE
11	BLACK & BLUE
12	BLACK & ORANGE
13	BLACK & GREEN
14	BLACK & BROWN
15	BLACK & SLATE
16	YELLOW & BLUE
17	YELLOW & ORANGE
18	YELLOW & GREEN
19	YELLOW & BROWN
20	YELLOW & SLATE
21	VIOLET & BLUE
22	VIOLET & ORANGE
23	VIOLET & GREEN
24	VIOLET & BROWN
25	VIOLET & SLATE

CABLES PER IMSA SPECS:

19-2, 19-4, 19-6,20-2, 20-4, 20-6

THIS COLOR CODE USES ONLY TEN DIFFERENT INSULATION COLORS: FIVE FOR THE "WIRE COLOR" CONDUCTORS IN TWISTED PAIRS; FIVE FOR THE "MATE COLOR" CONDUCTOR IN TWISTED PAIRS. THE "WIRE COLORS" AND "MATE COLOR" COMBINATIONS PRODUCE TWENTY-FIVE UNIQUELY COLOR-CODED TWISTED PAIRS.

NOTE: THE DATA SHOWN IS AN APPROXIMATE AND SUBJECT TO STANDARD INDUSTRY TOLERANCE.

Terms and Conditions of Sale

1. This document is not an expression of acceptance or confirmation of any terms or conditions contained in the Purchaser's request for quotation or similar document; Seller rejects any and all additional or inconsistent terms in any Purchaser correspondence or authorization including, but not limited to, request for quotation or payment terms correspondence unless explicitly agreed to by Seller in writing. Seller's offer set forth herein to supply products to Purchaser is conditioned upon Purchaser's assent to all of the terms and conditions set forth herein. Should Purchaser fail to agree or assent to such terms, Seller shall not deliver the products. Purchaser's assent shall be deemed to have been given in any one or more of the following ways:
 - a. Purchaser's submission of a purchase order with respect to any one or more of the products enumerated on Seller's quotation.
 - b. Purchaser's submission to Seller of any instructions relating to the products.
 - c. Purchaser's acceptance of delivery of the products.
 - d. Purchaser's conducts which exhibits any act inconsistent with Seller's continued ownership including, but not limited to, modifications, installation, consumption and use.
 - e. Any other Purchaser conduction consistent with the existence of an agreement whereby the Seller to supply products.
2. The prices and deliveries listed in the quotation are based upon the date and quantities indicated. If the date or quantities ordered or released differ from those listed, Seller reserves the right to revise the quotation.
3. Sales tax and/or any other taxes are not included in the Seller's price or quotation and are the responsibility of the Purchaser unless otherwise noted in writing as agreed to by Seller.
4. Products are shipped at Purchaser's risk where terms are FOB shipping point. Products are not insured unless so ordered.
5. Seller shall not be liable for any delay in delivery or shipment of material nor shall Seller be liable for any damages suffered by Purchaser by reason of such delay, when such delay is directly or indirectly by circumstances beyond Seller's control.
6. Seller will replace any product supplied by Seller which fails to meet the applicable warranty of the manufacturer as determined by the manufacturer. All products replaced by the Seller shall immediately become property of the Seller. Seller shall not be responsible for the following:
 - a. Products damaged in shipment;
 - b. Failure due to misapplication, abuse, improper installation, corrosive matter or abnormal use;
 - c. Expenses incurred by Purchaser for installation of productions prior to discovery of alleged defect or expenses for the installation of replacement products;
 - d. Expenses incurred by Purchaser for removal of non-conforming products and/or expenses for the installation of replacement products;
 - e. Commercial loss of any kind.
 - f. Purchaser shall inspect the product prior to installation to make sure that it meets the criteria of their purchase order. Seller takes every precaution to make sure material meets specifications and labels each reel with a warning for Purchaser to inspect before installation.
7. No returns accepted unless previously authorized by Seller in writing.
8. Seller shall refer to Metro Wire & Cable and Purchaser shall refer to the person indicated on the face of this quotation.
9. Seller may refuse to ship any products if Purchaser is delinquent in the payment of any invoices or any other indebtedness owing to Seller. A service charge of 1-1/2% per month (18% per annum) will be imposed by the seller on all past due invoices. Should the account be placed with a debt collector or an attorney for debt collection, Purchaser agrees to be responsible for all actual fees and costs associated with the debt collection, including attorney fees.
10. Prices quoted herein are those in effect today, and are predicated on immediate release and shipment. Unless otherwise noted, these prices will be adjusted for changes in market conditions which may occur between the date of quotations and the dates shipments are made.
11. For purpose of Article 2 of the Uniform Commercial Code Purchaser and Seller agree any claim made against Seller must be made in writing to Metro within a reasonable time which is no later than ninety (90) days after the date of shipment.

Locations



Corporation Headquarters
6636 Metro Parkway
Sterling Heights, MI 48312
Phone: 586.264.3050
Fax: 586.264.7390



Midwest Distribution
2802 Independence Road
Iowa City, IA 52240
Phone: 319.337.9473
Fax: 319.834.1050



Southeast Distribution
2105 Newpoint Place, Suite 400
Lawrenceville, GA 30043
Phone: 770.995.3700
Fax: 770.995.3735

**Metro
Wire**
& CABLE CORP.
ATLANTA DETROIT IOWA CITY
Since 1976

1.800.633.1432 | METRO@METROWIRE.NET | WWW.METROWIRE.NET