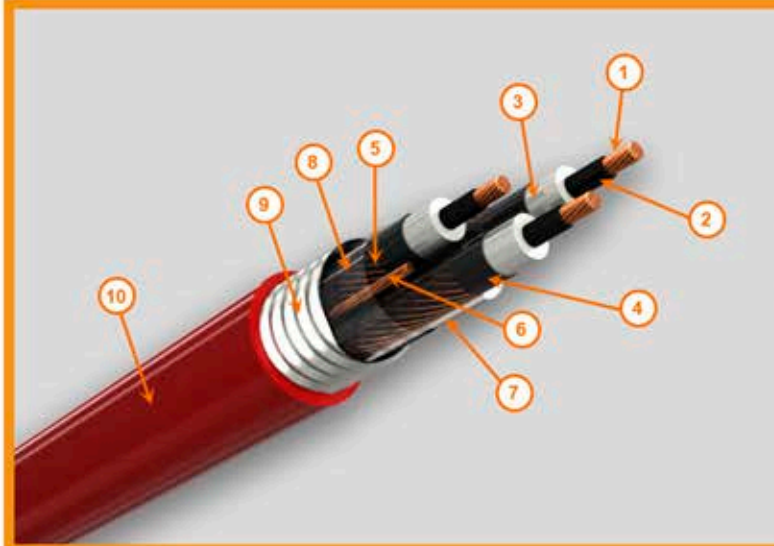


**TYPE MC CABLE, COPPER CONDUCTOR, XLP 100%, 5 kV - 35 kV, STEEL ARMOR AND PVC JACKET**



**Description:**

- 1- Compact round concentric-lay stranded copper conductor.
- 2- Extruded semiconducting conductor shield\*
- 3- Cross-linked Polyethylene (XLP) insulation, 100% Insulation Level.
- 4- Extruded semiconducting insulation shield\*
- 5- Metallic shield consisting of copper wires helically applied.
- 6- Bare copper grounding conductor.
- 7- Non hygroscopic fillers (optional).
- 8- Non hygroscopic separator tape.
- 9- Steel interlocked armor.
- 10- Polyvinyl chloride (PVC) jacket in red color.

\* Note: Insulation and semiconducting shields are manufactured by true triple extrusion with dry curing.

**Applications:**

- Electric power distribution
- Service

**Features:**

- Easy removal of the semi-conducting shield
- Easy to install
- Excellent crushing resistance
- Excellent mechanical resistance
- Excellent resistance to impact
- Excellent resistance to mechanical abuse
- Flexible Armor
- Good chemical substance resistance
- Good grease resistance
- Good heat resistance
- Good moisture resistance
- Good oil resistance
- Good outdoor resistance
- Good ozone resistance
- High dielectric strength
- High dielectric strength on pulse
- Low dielectric loss
- True triple extrusion with dry curing process

**Special features:**

- • It can be installed easily and quickly without ducts and raceways.
- • The armor provides great resistance to impact and abrasion.
- • The grounding conductor provides an appropriate grounding connection to the equipment.
- • UL File E 89180

**Standard:**

- UL-1072

**Voltage:**

- 5 kV

- 8 kV
- 15 kV
- 25 kV
- 35 kV

**Temperature:**

- Normal 90°C
- Overload 130°C
- Short circuit 250°C

**Installation type:**

- Directly buried
- installation on walls or structures
- Underground electrical ducts

**Insulation:**

- Cross-linked Polyethylene (XLPE)

**Jacket:**

- Polyvinyl chloride (PVC)

**Recommendation:**

- • To be used as type MC (Metal Clad) cable, according to NEC and NOM-001-SEDE.
- • Electrical installations where maximum security is required, in places classified as dangerous: Class I, Division 2, Class II Division 2 and Class III Divisions 1 and 2.

**Quality System Certification:**

- ISO 9001:2015 Quality System certified by Bureau Veritas

**Certification:**

- Underwriters Laboratories Inc. (UL)

**Order additional information:**

- ArmanelT.M. type MC Cable, XLP insulation, 100% insulation level, voltage between phases,

copper conductor, size, steel interlocked armor and PVC jacket, number of product, cable length per reel and total order length.

**TYPE MC CABLE, COPPER CONDUCTOR, XLP 100%, 5 kV - 35 kV, STEEL ARMOR AND PVC JACKET**



Number of Product	Voltage (V)	Size (AWG/kcmil)	Total Cross Section Area (mm <sup>2</sup> )	Number of Conductors	Conductor Number of Wires	Nominal Conductor Diameter (in)	Nominal Insulation thickness (mils)	Nominal Diameter Over Insulation (in)	Metallic Shield Number of Wires	Size of each Wire Shield (AWG)	Metallic Shield Area (mm <sup>2</sup> )	Grounding Conductor Size (AWG-kcmil)	Nominal Diameter Under Armor (in)	Nominal Diameter Over Armor (in)	Nominal Overall Diameter (in)	Nominal cable weight (lb/1000ft)	Packaging	Color
160E0605HA	5 000	4	21.15	3	7	0.21	90.16	0.44	8	22	2.60	6	1.23	1.44	1.54	1 547	CARRETE	ROJO
160E0605GA	5 000	2	33.62	3	7	0.27	90.16	0.49	8	22	2.60	6	1.35	1.56	1.68	1 925	CARRETE	ROJO
160E06050A	5 000	1/0	53.50	3	19	0.33	90.16	0.56	8	22	2.60	4	1.50	1.70	1.83	2 479	CARRETE	ROJO
160E06051A	5 000	2/0	67.40	3	19	0.38	90.16	0.60	10	22	3.25	4	1.59	1.79	1.92	2 795	CARRETE	ROJO
160E06052A	5 000	3/0	85.00	3	19	0.42	90.16	0.65	10	22	3.25	3	1.69	1.97	2.10	3 322	CARRETE	ROJO
160E06053A	5 000	4/0	107.00	3	19	0.47	90.16	0.70	10	22	3.25	3	1.80	2.08	2.21	3 844	CARRETE	ROJO
160E06054A	5 000	250	127.00	3	37	0.52	90.16	0.76	12	22	3.90	3	1.92	2.20	2.33	4 347	CARRETE	ROJO
160E06055A	5 000	300	152.00	3	37	0.57	90.16	0.80	12	22	3.90	2	2.02	2.31	2.47	5 045	CARRETE	ROJO
160E06056A	5 000	350	177.00	3	37	0.61	90.16	0.85	12	22	3.90	2	2.12	2.41	2.56	5 618	CARRETE	ROJO
160E06057A	5 000	400	203.00	3	37	0.66	90.16	0.89	12	22	3.90	2	2.21	2.50	2.66	6 185	CARRETE	ROJO
160E06059A	5 000	500	253.00	3	37	0.73	90.16	0.97	14	22	4.55	1	2.38	2.67	2.82	7 371	CARRETE	ROJO
160E0605BA	5 000	600	304.00	3	61	0.81	90.16	1.05	16	22	5.20	1	2.61	2.90	3.05	8 642	CARRETE	ROJO
160E0605CA	5 000	750	380.00	3	61	0.90	90.16	1.15	16	22	5.20	1/0	2.81	3.10	3.28	10 417	CARRETE	ROJO
160E0605FA	5 000	1000	507.00	3	61	1.05	90.16	1.30	18	22	5.84	1/0	3.14	3.42	3.60	13 145	CARRETE	ROJO
160E0606JA	8 000	4	21.15	3	7	0.21	114.96	0.49	8	22	2.60	6	1.34	1.55	1.67	1 706	CARRETE	ROJO
160E0606IA	8 000	2	33.62	3	7	0.27	114.96	0.54	8	22	2.60	6	1.46	1.67	1.79	2 059	CARRETE	ROJO
160E06062A	8 000	1/0	53.50	3	19	0.33	114.96	0.61	10	22	3.25	4	1.61	1.89	2.02	2 602	CARRETE	ROJO
160E06063A	8 000	2/0	67.40	3	19	0.38	114.96	0.65	10	22	3.25	4	1.69	1.98	2.11	3 011	CARRETE	ROJO
160E06064A	8 000	3/0	85.00	3	19	0.42	114.96	0.70	10	22	3.25	3	1.79	2.08	2.21	3 474	CARRETE	ROJO
160E06065A	8 000	4/0	107.00	3	19	0.47	114.96	0.75	12	22	3.90	3	1.90	2.19	2.32	4 016	CARRETE	ROJO
160E06066A	8 000	250	127.00	3	37	0.52	114.96	0.81	12	22	3.90	3	2.02	2.31	2.47	4 589	CARRETE	ROJO
160E06067A	8 000	300	152.00	3	37	0.57	114.96	0.85	12	22	3.90	2	2.13	2.42	2.57	5 219	CARRETE	ROJO
160E06068A	8 000	350	177.00	3	37	0.61	114.96	0.90	12	22	3.90	2	2.23	2.52	2.67	5 797	CARRETE	ROJO

TYPE MC CABLE, COPPER CONDUCTOR, XLP 100%, 5 kV - 35 kV, STEEL ARMOR AND PVC JACKET



Number of Product	Voltage (V)	Size (AWG/kcmil)	Total Cross Section Area (mm <sup>2</sup> )	Number of Conductors	Conductor Number of Wires	Nominal Conductor Diameter (in)	Nominal Insulation thickness (mils)	Nominal Diameter Over Insulation (in)	Metallic Shield Number of Wires	Size of each Wire Shield (AWG)	Metallic Shield Area (mm <sup>2</sup> )	Grounding Conductor Size (AWG-kcmil)	Nominal Diameter Under Armor (in)	Nominal Diameter Over Armor (in)	Nominal Overall Diameter (in)	Nominal cable weight (lb/1000ft)	Packaging	Color
160E06069A	8 000	400	203.00	3	37	0.66	114.96	0.94	14	22	4.55	2	2.32	2.61	2.76	6.383	CARRETE	ROJO
160E0606BA	8 000	500	253.00	3	37	0.73	114.96	1.02	14	22	4.55	1	2.54	2.83	2.98	7.671	CARRETE	ROJO
160E0606DA	8 000	600	304.00	3	61	0.81	114.96	1.10	16	22	5.20	1	2.72	3.01	3.18	8.917	CARRETE	ROJO
160E0606EA	8 000	750	380.00	3	61	0.90	114.96	1.20	16	22	5.20	1/0	2.92	3.21	3.39	10.638	CARRETE	ROJO
160E0606HA	8 000	1000	507.00	3	61	1.05	114.96	1.35	18	22	5.84	1/0	3.24	3.53	3.71	13.383	CARRETE	ROJO
160E0607KA	15 000	2	33.62	3	7	0.27	175.59	0.67	10	22	3.25	6	1.73	2.01	2.14	2.450	CARRETE	ROJO
160E06074A	15 000	1/0	53.50	3	19	0.33	175.59	0.73	10	22	3.25	4	1.87	2.16	2.28	3.032	CARRETE	ROJO
3208229	15 000	2/0	67.40	3	19	0.38	175.59	0.78	12	22	3.90	4	1.96	2.25	2.37	3.407	CARRETE	ROJO
160E06076A	15 000	3/0	85.00	3	19	0.42	175.59	0.82	12	22	3.90	3	2.06	2.35	2.50	3.963	CARRETE	ROJO
160E06077A	15 000	4/0	107.00	3	19	0.47	175.59	0.87	12	22	3.90	3	2.17	2.46	2.61	4.510	CARRETE	ROJO
160E06078A	15 000	250	127.00	3	37	0.52	175.59	0.93	14	22	4.55	3	2.29	2.58	2.73	5.039	CARRETE	ROJO
160E06079A	15 000	300	152.00	3	37	0.57	175.59	0.98	14	22	4.55	2	2.40	2.68	2.84	5.684	CARRETE	ROJO
160E0607AA	15 000	350	177.00	3	37	0.61	175.59	1.02	14	22	4.55	2	2.55	2.83	2.99	6.383	CARRETE	ROJO
160E0607BA	15 000	400	203.00	3	37	0.66	175.59	1.07	16	22	5.20	2	2.64	2.92	3.08	6.978	CARRETE	ROJO
160E0607DA	15 000	500	253.00	3	37	0.73	175.59	1.14	16	22	5.20	1	2.80	3.09	3.27	8.257	CARRETE	ROJO
160E0607FA	15 000	600	304.00	3	61	0.81	175.59	1.23	18	22	5.84	1	2.98	3.27	3.45	9.468	CARRETE	ROJO
160E0607GA	15 000	750	380.00	3	61	0.90	175.59	1.32	18	22	5.84	1/0	3.18	3.47	3.65	11.217	CARRETE	ROJO
160E0607JA	15 000	1000	507.00	3	61	1.05	175.59	1.47	20	22	6.49	1/0	3.51	3.80	3.97	14.006	CARRETE	ROJO
160E06084A	25 000	1/0	53.50	3	19	0.33	255.12	0.90	12	22	3.90	4	2.22	2.51	2.66	3.670	CARRETE	ROJO
160E06085A	25 000	2/0	67.40	3	19	0.38	255.12	0.94	14	22	4.55	4	2.31	2.59	2.75	4.064	CARRETE	ROJO
160E06086A	25 000	3/0	85.00	3	19	0.42	255.12	0.98	14	22	4.55	3	2.41	2.69	2.85	4.562	CARRETE	ROJO
160E06087A	25 000	4/0	107.00	3	19	0.47	255.12	1.03	14	22	4.55	3	2.57	2.86	3.01	5.233	CARRETE	ROJO

**TYPE MC CABLE, COPPER CONDUCTOR, XLP 100%, 5 kV - 35 kV, STEEL ARMOR AND PVC JACKET**



Number of Product	Voltage (V)	Size (AWG/kcmil)	Total Cross Section Area (mm <sup>2</sup> )	Number of Conductors	Conductor Number of Wires	Nominal Conductor Diameter (in)	Nominal Insulation thickness (mils)	Nominal Diameter Over Insulation (in)	Metallic Shield Number of Wires	Size of each Wire Shield (AWG)	Metallic Shield Area (mm <sup>2</sup> )	Grounding Conductor Size (AWG-kcmil)	Nominal Diameter Under Armor (in)	Nominal Diameter Over Armor (in)	Nominal Overall Diameter (in)	Nominal cable weight (lb/1000ft)	Packaging	Color
160E06088A	25 000	250	127.00	3	37	0.52	255.12	1.09	16	22	5.20	3	2.69	2.98	3.13	5 787	CARRETE	ROJO
160E06089A	25 000	300	152.00	3	37	0.57	255.12	1.14	16	22	5.20	2	2.79	3.08	3.28	6 523	CARRETE	ROJO
160E0608AA	25 000	350	177.00	3	37	0.61	255.12	1.18	16	22	5.20	2	2.89	3.18	3.36	7 137	CARRETE	ROJO
160E0608BA	25 000	400	203.00	3	37	0.66	255.12	1.23	18	22	5.84	2	2.98	3.27	3.45	7 756	CARRETE	ROJO
160E0608DA	25 000	500	253.00	3	37	0.73	255.12	1.30	18	22	5.84	1	3.15	3.44	3.62	8 998	CARRETE	ROJO
160E0608FA	25 000	600	304.00	3	61	0.81	255.12	1.39	18	22	5.84	1	3.33	3.62	3.80	10 229	CARRETE	ROJO
160E0608GA	25 000	750	380.00	3	61	0.90	255.12	1.48	20	22	6.49	1/0	3.53	3.82	4.00	12 026	CARRETE	ROJO
160E0608JA	25 000	1000	507.00	3	61	1.05	255.12	1.63	22	22	7.14	1/0	3.94	4.23	4.40	15 114	CARRETE	ROJO
160E06091A	35 000	1/0	53.50	3	19	0.33	344.88	1.08	16	22	5.20	4	2.66	2.95	3.10	4 503	CARRETE	ROJO
160E06092A	35 000	2/0	67.40	3	19	0.38	344.88	1.12	16	22	5.20	4	2.75	3.04	3.21	4 972	CARRETE	ROJO
160E06093A	35 000	3/0	85.00	3	19	0.42	344.88	1.16	16	22	5.20	3	2.85	3.14	3.31	5 495	CARRETE	ROJO
160E06094A	35 000	4/0	107.00	3	19	0.47	344.88	1.22	16	22	5.20	3	2.96	3.25	3.42	6 090	CARRETE	ROJO
160E06095A	35 000	250	127.00	3	37	0.52	344.88	1.27	18	22	5.84	3	3.08	3.37	3.54	6 670	CARRETE	ROJO
160E06096A	35 000	300	152.00	3	37	0.57	344.88	1.32	18	22	5.84	2	3.19	3.47	3.65	7 361	CARRETE	ROJO
160E06097A	35 000	350	177.00	3	37	0.61	344.88	1.37	18	22	5.84	2	3.28	3.57	3.75	7 994	CARRETE	ROJO
160E06098A	35 000	400	203.00	3	37	0.66	344.88	1.41	20	22	6.49	2	3.38	3.66	3.84	8 631	CARRETE	ROJO
160E0609AA	35 000	500	253.00	3	37	0.73	344.88	1.49	20	22	6.49	1	3.54	3.83	4.01	9 907	CARRETE	ROJO
160E0609CA	35 000	600	304.00	3	61	0.81	344.88	1.57	22	22	7.14	1	3.80	4.09	4.27	11 420	CARRETE	ROJO
160E0609DA	35 000	750	380.00	3	61	0.90	344.88	1.66	22	22	7.14	1/0	4.01	4.00	4.18	13 145	CARRETE	ROJO

*TYPE MC CABLE, COPPER CONDUCTOR, XLP 100%, 5 kV - 35 kV, STEEL ARMOR AND PVC JACKET*



**Notes:**

- For constructions different from the one shown please get in contact with our Technical Assistance Department.

- Data is subject to normal manufacturing tolerances.

\*This is not a stock product. Delivery possible in specific lengths