

Description

Three conductor cable with stranded copper conductors, extrude insulation system consisting of high dielectric strength Crosslinked Polyethylene, cabled with fillers and grounding conductors, foamed polymeric layer for superior mechanical protection, and overall moisture and sun resistant black PVC jacket. Suitable for Class I Divison 2 locations.

Specifications

ICEA ICEA S-95-658

UL UL 44

NEMA NEMA WC70

Ratings

For TC USE

Direct Buried

Sunlight Resistant
ER "Exposed Run" Rated
Single Conductor Rated XHHW-2
CSA FT4 Flame Test
CSA Cold Bend (-40°)
IEEE 383 Flame Test
ICEA T-29-520 at 210,000BTU/hr

Design Parameters

Conductor

- Class B concentric compressed strand soft drawn annealed copper per ASTM.

Insulation

- High dielectric strength crosslinked polyethylene insulation to ICEA S-95-658/NEMA WC70 and UL Standard 44 for type XHHW-2

Grounding Conductors

- Bare stranded copper conductor per UL, ICEA, and ASTM.

Assembly

- Phase identified conductors cabled with fillers and a grounding conductor, forming a firm and cylindrical cable core.

Mechanical Protection

- High strength and high crush resistant Air Bag™ layer extruded over the core assembly

Jacket

- Sunlight and moisture resistant polyvinyl chloride (PVC) jacket.

Options

- Colored Jackets
- Low Smoke Halogen Jacket
- Compact Conductors

Installations

 In Cable Tray

 Direct Buried

 Isolated in Air

 Dry Locations

 With Messenger

 Conduit in Air

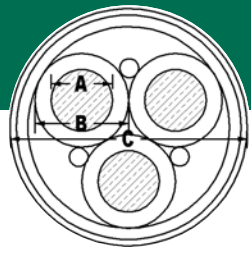
 Underground Duct

 Wet Locations

 Industrial

Used anywhere MC Type cables are used in Class 1 Div 2 areas.

For 90°C continuous use in wet or dry conditions.



600V 3C AIR BAG™ (Replacement for MC type cables)

600V

Product Number	Conductor	Insulation Thickness (mils)		Ground Wires		Conductor Diameter (in.)			Overall Jacket Diameter (in.)	Cable Weight (lbs/100')	Minimum Bending Radius (in.)	† Ampacity (Amps)	‡ Impedance (micro-ohms/foot)
		No.	Size	(A)	(B)	(C)	‡90°C	Pos/Neg Seq					
600V AIR BAG Three Conductor													
call Prysmian	14 AWG CU	30	3	18 AWG	0.070	0.14	0.49	184	5	25	3289 + j182		
call Prysmian	12 AWG CU	30	3	16 AWG	0.089	0.16	0.57	253	6	30	2076 + j177		
call Prysmian	10 AWG CU	30	3	14 AWG	0.112	0.18	0.62	324	6	40	1301 + j171		
Q00570A	8 AWG CU	45	3	14 AWG	0.141	0.24	0.75	457	8	55	815 + j174		
Q01570A	6 AWG CU	45	3	12 AWG	0.178	0.28	0.91	697	9	75	514 + j169		
Q02570A	4 AWG CU	45	3	12 AWG	0.225	0.33	1.01	915	10	95	323 + j163		
Q04570A	2 AWG CU	45	3	10 AWG	0.283	0.38	1.14	1269	11	130	203 + j158		
Q06570A	1 AWG CU	55	3	10 AWG	0.322	0.44	1.31	1619	13	150	161 + j158		
Q08570A	1/0 AWG CU	55	3	10 AWG	0.361	0.48	1.40	1894	14	170	128 + j156		
Q09570A	2/0 MCM CU	55	3	10 AWG	0.418	0.53	1.50	2255	15	195	101 + j153		
Q0B570A	4/0 MCM CU	55	3	8 AWG	0.512	0.63	1.79	3364	18	260	64 + j148		
Q0C570A	250 MCM CU	65	3	8 AWG	0.558	0.70	1.94	3920	19	290	54 + j149		
Q0D570A	350 MCM CU	65	3	7 AWG	0.661	0.80	2.17	5154	22	350	39 + j145		
Q0E570A	500 MCM CU	65	3	6 AWG	0.789	0.93	2.50	7081	25	430	27 + j141		

Information Subject to Change without Notice.

PRODUCT NOTES:

▲ Items are Prysmian authorized stock.
 The above dimensions are approximate and subject to normal manufacturing tolerances.
 All metric (SI) dimensions are derived from a soft conversion.

†Ampacities are based on the following:

‡Not more than three current carrying conductors in Raceway, Cable, or Earth (direct buried), based on ambient temperature of 30°C (86°F). Per NEC Table 310.16.

‡‡Impedance based on 90°C and no return in the earth.



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 1-800-361-1418 (East-CAN)

www.prysmianusa.com
 www.prysmiancanada.com