

Description

Multiconductor cable with stranded copper conductors, extruded high dielectric strength cross-linked polyethylene (XLPE) insulation, Type XHHW-2, cabled with bare copper grounding conductors and fillers, core binder tape, aluminum interlocked armor (AIA) or galvanized steel interlocked armor (GSIA), overall PVC jacket.

Specifications

UL UL 44

UL UL 1569

ICEA ICEA S-95-658

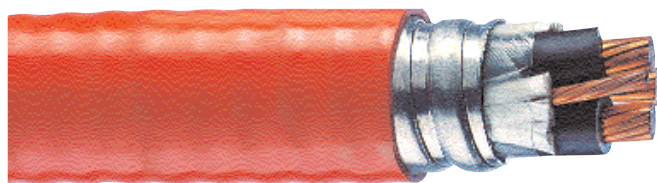
IEEE IEEE 383 Flame Test

For 90°C Wet or Dry Operation.

Ratings

Type XHHW-2

Type MC
Sunlight Resistant
For CT USE
Direct Buried



Design Parameters

Conductor

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

Insulation

- Unfilled, flame-retardant, high dielectric strength cross-linked polyethylene (XLPE) insulation, exhibiting an optimum balance of electrical characteristics assuring extended cable life.

Grounding Conductors

- Bare stranded copper conductors in the interstices per UL and ICEA. UL Listed cables must have grounding conductor(s).

Assembly

- Insulated conductors cabled with fillers and grounding conductors (as specified), forming a firm and cylindrical cable core. A binder tape is applied to maintain core symmetry and mechanical stability.

Armor

- Aluminum interlocked armor (AIA) or galvanized steel interlocked (GSIA) armor applied over the cable core.

Jacket

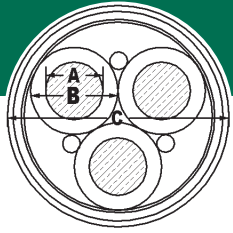
- Black sunlight resistant polyvinyl chloride (PVC) jacket tightly applied over the armor.

Options

- One grounding conductor
- Aluminum Conductor
- CPE Jacket
- Compact stranded conductors
- Colored jacket
- Oil Resistant Jacket
- RHH/RHW-2 Insulation

Installations

- Direct Buried
- In Cable Tray
- Dry Locations
- With Messenger
- Underground Duct
- Isolated in Air
- Wet Locations
- Industrial
- Conduit in Air



MULTICONDUCTOR XLPE MC

600 Volt

Product Number	Conductor	Insulation Thickness (mils)		No.	Size	Conductor Diameter (in.)			Overall Diameter (in.)	Weight (lbs/Mft)	Minimum Bending Radius (in.)	† Ampacity (Amps)
		Jacket	Conductor			(A)	(B)	(C)				
600 Volt Copper Three Conductor AIA												
QØ244ØA	4 AWG CU	45	50	3	10 AWG	0.225	0.32	1.06	800	8	95	
QØ444ØA	2 AWG CU	45	50	3	10 AWG	0.283	0.38	1.18	1090	9	130	
QØ644ØA	1 AWG CU	55	50	3	10 AWG	0.322	0.44	1.32	1330	10	150	
QØ844ØA	1/0 AWG CU	55	50	3	10 AWG	0.362	0.48	1.41	1575	10	170	
QØ944ØA	2/0 AWG CU	55	50	3	10 AWG	0.406	0.52	1.5	1885	11	195	
QØA44ØA	3/0 AWG CU	55	60	3	8 AWG	0.456	0.57	1.61	2315	12	225	
▲ QØB44ØA	4/0 AWG CU	55	60	3	8 AWG	0.512	0.63	1.75	2820	13	260	
QØC44ØA	250 MCM CU	65	60	3	8 AWG	0.558	0.70	1.92	3335	14	290	
▲ QØD44ØA	350 MCM CU	65	60	3	7 AWG	0.661	0.80	2.14	4425	15	350	
▲ QØE44ØA	500 MCM CU	65	75	3	6 AWG	0.789	0.93	2.42	6045	17	430	
QØF44ØA	750 MCM CU	80	75	3	5 AWG	0.968	1.14	2.92	8900	21	535	

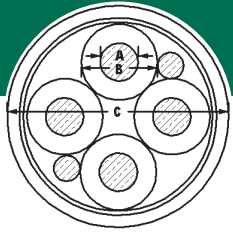
Information Subject to Change without Notice.

PRODUCT NOTES:

▲ Items are Prysmian authorized stock.
The above dimensions are approximate and subject to normal manufacturing tolerances.

†Ampacities are based on the following:

NEC Table 310-16: Insulated three conductor cable installed in raceway or cable in free air or earth (directly buried), 30°C ambient air temperature, and 90°C conductor operating temperatures.



MULTICONDUCTOR XLPE MC

600 Volt

Product Number	Conductor	Insulation Thickness (mils)		No.	Size	Conductor Diameter (in.)			Weight (lbs/Mft)	Minimum Bending Radius (in.)	† Ampacity (Amps)	
		Jacket	Conductor			(A)	(B)	(C)				
600 Volt Copper Four Conductor AIA												
Q02450A	4 AWG CU	45	50	2	10 AWG	0.225	0.32	1.14	955	8	76	
Q04450A	2 AWG CU	45	50	2	8 AWG	0.283	0.38	1.28	1360	9	104	
Q06450A	1 AWG CU	55	50	2	8 AWG	0.322	0.44	1.44	1680	11	120	
Q08450A	1/0 AWG CU	55	50	2	8 AWG	0.362	0.48	1.53	2000	11	136	
Q09450A	2/0 AWG CU	55	50	2	8 AWG	0.406	0.52	1.64	2410	12	156	
Q0A450A	3/0 AWG CU	55	60	2	6 AWG	0.456	0.57	1.78	2995	13	180	
Q0B450A	4/0 AWG CU	55	60	2	6 AWG	0.512	0.63	1.94	3675	14	208	
Q0C450A	250 MCM CU	65	60	2	6 AWG	0.558	0.70	2.10	4275	15	232	
Q0D450A	350 MCM CU	65	60	2	5 AWG	0.661	0.80	2.35	5690	17	280	
Q0E450A	500 MCM CU	65	75	2	4 AWG	0.789	0.93	2.69	7925	19	344	
Q0F450A	750 MCM CU	80	75	2	3 AWG	0.968	1.14	3.20	11590	23	428	

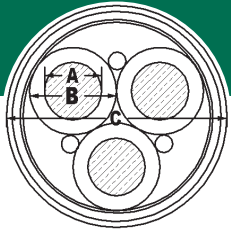
Information Subject to Change without Notice.

PRODUCT NOTES:

▲ Items are Prysmian authorized stock.
The above dimensions are approximate and subject to normal manufacturing tolerances.

†Ampacities are based on the following:

NEC Tables 310-16 and 310-15(b)(2)(a): Insulated four conductor cable installed in raceway or cable in free air, 30°C ambient air temperature, and 90°C conductor operating temperature.



MULTICONDUCTOR XLPE MC

600 Volt

Product Number	Conductor	Insulation Thickness (mils)		Jacket Thickness (mils)	Ground Wires	Conductor Diameter (in.)			Insulation Diameter (in.)	Overall Diameter (in.)	Weight (lbs/Mft)	Minimum Bending Radius (in.)	† Ampacity (Amps)
		No.	Size			(A)	(B)	(C)					
600 Volt Copper Three Conductor GSIA													
QØ246ØA	4 AWG CU	45	50	3	10 AWG	0.225	0.32	1.04	955	8	95		
QØ446ØA	2 AWG CU	45	50	3	10 AWG	0.283	0.38	1.16	1275	9	130		
QØ646ØA	1 AWG CU	55	50	3	10 AWG	0.322	0.44	1.30	1540	10	150		
QØ846ØA	1/0 AWG CU	55	50	3	10 AWG	0.362	0.48	1.39	1805	10	170		
QØ946ØA	2/0 AWG CU	55	50	3	10 AWG	0.406	0.52	1.48	2130	11	195		
QØA46ØA	3/0 AWG CU	55	60	3	8 AWG	0.456	0.57	1.59	2580	12	225		
QØB46ØA	4/0 AWG CU	55	60	3	8 AWG	0.512	0.63	1.73	3110	13	260		
QØC46ØA	250 MCM CU	65	60	3	8 AWG	0.558	0.70	1.91	3740	14	290		
QØD46ØA	350 MCM CU	65	60	3	7 AWG	0.661	0.80	2.13	4895	15	350		
QØE46ØA	500 MCM CU	65	75	3	6 AWG	0.789	0.93	2.44	6655	18	430		
QØF46ØA	750 MCM CU	80	75	3	5 AWG	0.968	1.14	2.89	9555	21	535		

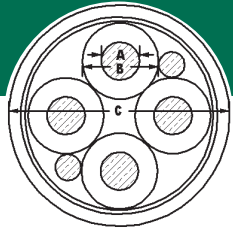
Information Subject to Change without Notice.

PRODUCT NOTES:

▲ Items are Prysmian authorized stock. The above dimensions are approximate and subject to normal manufacturing tolerances.

†Ampacities are based on the following:

NEC Table 310-16: Insulated three conductor cable installed in raceway or cable in free air or earth (directly buried), and 30°C ambient air temperature and 90°C conductor operating temperatures.



MULTICONDUCTOR XLPE MC

600 Volt

Product Number	Conductor	Insulation Thickness (mils)		No.	Size	Conductor Diameter (in.)			Weight (lbs/Mt)	Minimum Bending Radius (in.)	† Ampacity (Amps)	
		Jacket	Conductor			(A)	(B)	(C)				
600 Volt Copper Four Conductor GSIA												
QØ247ØA	4 AWG CU	45	50	2	10 AWG	0.225	0.32	1.12	1130	8	76	
QØ447ØA	2 AWG CU	45	50	2	8 AWG	0.283	0.38	1.26	1565	9	104	
QØ647ØA	1 AWG CU	55	50	2	8 AWG	0.322	0.44	1.42	1910	10	120	
QØ847ØA	1/0 AWG CU	55	50	2	8 AWG	0.362	0.48	1.51	2250	11	136	
QØ947ØA	2/0 AWG CU	55	50	2	8 AWG	0.406	0.52	1.62	2685	12	156	
QØA47ØA	3/0 AWG CU	55	60	2	6 AWG	0.456	0.57	1.76	3290	13	180	
QØB47ØA	4/0 AWG CU	55	60	2	6 AWG	0.512	0.63	1.93	4095	14	208	
QØC47ØA	250 MCM CU	65	60	2	6 AWG	0.558	0.70	2.09	4735	15	232	
QØD47ØA	350 MCM CU	65	60	2	5 AWG	0.661	0.80	2.34	6215	17	280	
QØE47ØA	500 MCM CU	65	75	2	4 AWG	0.789	0.93	2.68	8530	19	344	
QØF47ØA	750 MCM CU	80	75	2	3 AWG	0.968	1.14	3.19	12325	23	428	

Information Subject to Change without Notice.

PRODUCT NOTES:

▲ Items are Prysmian authorized stock. The above dimensions are approximate and subject to normal manufacturing tolerances.

†Ampacities are based on the following:

NEC Tables 310-16 and 310-15(b)(2)(a): Insulated four conductor cable installed in raceway or cable in free air, 30°C ambient air temperature, and 90°C conductor operating temperature.