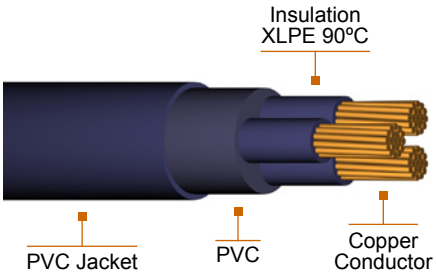
XTMU

600 V Multiple Copper Conductor, XLPE Insulation and Outer PVC Jacket



Detail Description or Construction

Conductor

Compressed or Compacted copper conductor class B

Insulation

Cross-linked Polyethylene (XLPE) 90°C

Jacket

Extruded black sunlight resistant, flame retardant, oils resistant PVC jacket with excellent mechanical properties

Packaging

Non-returnable wooden drums

Options

- CT USE applications
- Black polyethylene jacket

Application

Primary power and distribution circuits in industrial, commercial and power circuit generating plants.
XTMU cables can be marked for CT Use to be installed in ladder cable tray, according NEC Article 318.

Standards / Testing Specifications

- XTMU meets or exceeds the requirements of ICEA S-95-658.

Marking

CT Use.

Installation

XTMU cables may be installed in wet or dry locations at maximum operating temperature of 90°C on the conductor for normal operation; 130°C for emergency and 250°C for short circuit conditions. Cables may be installed indoor and outdoor, exposed to sunlight, in raceway, conduit, duct or aerially supported by a messenger and directly buried according NEC 250-51.

Packing

Non Returnable wooden reel with 300 m standard lengths or according reel capacity.

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TABLE 1. CABLE TYPE XTMU 90°C 600 VOLTS 3 CONDUCTORS								
Conductor Size	Nominal Area	Nominal Insulation Thickness	Nominal Jacket Thickness	Total OD	Total Weight	Ampacity (A)		
						Buried Duct 20°C Amb. Temp	Direct Buried 20°C Amb. Temp	Free Air 40°C Amb. Temp
AWG / MCM	mm^2	mm	mm	mm	kg / km			
14	2.08	0.76	1.14	10.2	155	25	35	25
12	3.31	0.76	1.14	11.2	206	32	47	32
10	5.26	0.76	1.14	12.7	285	43	62	43
8	8.37	1.14	1.52	16.7	483	59	83	59
6	13.3	1.14	1.52	18.7	673	78	106	79
4	21.2	1.14	1.52	20.7	931	102	137	104
2	33.6	1.14	2.03	24.9	1,448	133	178	138
1	42.4	1.40	2.03	29.3	1,867	154	201	161
1/0	53.5	1.40	2.03	31.8	2,285	177	229	186
2/0	67.4	1.40	2.03	34.3	2,794	202	260	215
3/0	85.0	1.40	2.03	37.2	3,415	231	297	249
4/0	107	1.40	2.03	40.3	4,173	264	335	287
250	127	1.65	2.79	44.0	4,952	292	367	320
350	177	1.65	2.79	49.4	6,619	354	442	394
500	253	1.65	2.79	56.5	9,137	429	531	487

The data listed above is approximate and subject to normal manufacturing tolerances.

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TABLE 2. CABLE TYPE XTMU 90°C 600 VOLTS 4 CONDUCTORS								
Conductor Size	Nominal Area	Nominal Insulation Thickness	Nominal Jacket Thickness	Total OD	Total Weight	Ampacity (A)		
						Buried Duct 20°C Amb. Temp	Direct Buried 20°C Amb. Temp	Free Air 40°C Amb. Temp
AWG / MCM	mm^2	mm	mm	mm	kg / km			
14	2.08	0.76	1.14	11.1	185	20	28	20
12	3.31	0.76	1.14	12.4	250	25	37	25
10	5.26	0.76	1.52	14.7	379	34	49	34
8	8.37	1.14	1.52	18.4	596	47	66	47
6	13.3	1.14	1.52	20.6	834	62	85	63
4	21.2	1.14	2.03	24.7	1,272	82	110	83
2	33.6	1.14	2.03	27.5	1,823	106	142	110
1	42.4	1.40	2.03	32.5	2,375	123	161	129
1/0	53.5	1.40	2.03	35.0	2,876	142	183	149
2/0	67.4	1.40	2.03	37.9	3,515	162	208	172
3/0	85.0	1.40	2.03	41.0	4,313	185	238	199
4/0	107	1.40	2.79	46.2	5,474	211	268	230
250	127	1.65	2.79	48.5	6,276	234	294	256
350	177	1.65	2.79	54.6	8,427	283	354	315
500	253	1.65	2.79	62.6	11,703	343	425	390

Note: 1. Ampacities based on IPCEA P46-426 Standard conductor temperature 90ºC, load factor 100%.
The data listed above is approximate and subject to normal manufacturing tolerances.