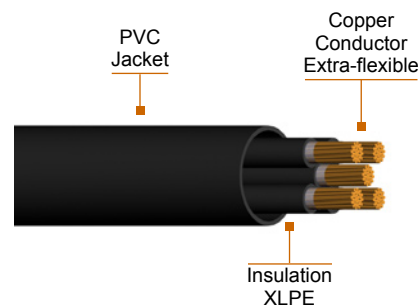
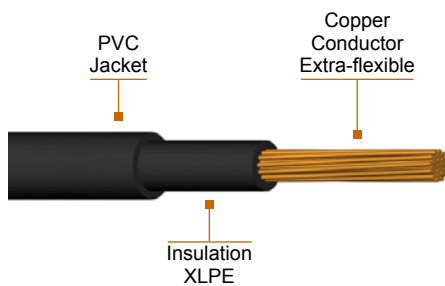


1000 V Single and Multiple Copper Conductor, XLPE Insulation and Outer PVC Jacket



Detail Description or Construction

Conductor

Extra-flexible copper conductor

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

SUPERFLEX design uses extra-flexible conductor to make easier installation process in low voltage applications, saving time and installation costs, compare with standard class B cables. SUPERFLEX are used on primary power and distribution circuits in industrial, commercial and power circuit generating plants.

SUPERFLEX cables can be marked for CT Use to be installed in ladder cable tray.

Standards / Testing Specifications

- SUPERFLEX meets or exceeds the requirements of IEC-60502.

Marking

Superflex, CT Use.

Installation

SUPERFLEX cables may be installed in wet or dry locations at maximum operating temperature of 90°C 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.



Superflex

1000 V Single and Multiple Copper Conductor, XLPE Insulation and Outer PVC Jacket

CABLE TYPE SUPERFLEX 1000 V 1 CONDUCTOR PHASE							
Conductor Size	Nominal Area	Insulation Thickness	Jacket Thickness	Total OD	Total Weight	Ampacity	
						Buried Duct Triplex 20°C Amb.Temp	Free Air Triplex 30°C Amb.Temp
AWG / MCM	mm ²	mm		mm	kg / km	A	A
14	2.08	0.7	0.9	5.1	41	33	30
12	3.31	0.7	0.9	5.6	56	43	40
10	5.26	0.7	0.9	6.2	78	54	52
8	8.37	0.7	1.0	7.6	118	69	70
6	13.3	0.7	1.0	8.7	168	88	91
4	21.2	0.9	1.0	10.6	256	114	123
2	33.6	0.9	1.1	12.2	387	148	165
1	42.4	1.0	1.1	13.8	482	166	190
1/0	53.5	1.0	1.2	15.2	594	186	218
2/0	67.4	1.1	1.2	16.8	735	216	257
3/0	85.0	1.1	1.2	18.1	905	247	305
4/0	107	1.2	1.3	20.3	1,132	280	354
250	127	1.2	1.3	21.5	1,311	308	396
350	177	1.6	1.4	25.8	1,840	371	493
500	253	1.7	1.5	30.1	2,587	456	627

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



Superflex

1000 V Single and Multiple Copper Conductor, XLPE Insulation and Outer PVC Jacket

CABLE TYPE SUPERFLEX 1000 V 3 CONDUCTORS PHASE							
Conductor Size	Nominal Area	Insulation Thickness	Jacket Thickness	Total OD	Total Weight	Ampacity	
						Buried Duct Triplex 20°C Amb.Temp	Free Air Triplex 30°C Amb.Temp
AWG / MCM	mm ²	mm		mm	kg / km	A	A
14	2.08	0.7	1.0	9.25	136	30	29
12	3.31	0.7	1.1	10.51	191	40	38
10	5.26	0.7	1.1	11.89	269	51	49
8	8.37	0.7	1.2	13.76	399	66	66
6	13.3	0.7	1.2	15.73	576	86	86
4	21.2	0.9	1.3	19.52	905	111	116
2	33.6	0.9	1.4	23.49	1,355	143	155
1	42.4	1.0	1.5	26.19	1,709	162	178
1/0	53.5	1.0	1.6	28.58	2,099	181	204
2/0	67.4	1.1	1.7	31.66	2,629	210	240
3/0	85.0	1.1	1.8	35.13	3,238	241	284
4/0	107	1.2	1.9	38.98	4,046	276	330
250	127	1.2	1.9	41.38	4,675	303	368
350	177	1.6	2.1	50.10	6,650	364	455
500	253	1.7	2.4	58.42	9,349	447	569

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



Superflex

1000 V Single and Multiple Copper Conductor, XLPE Insulation and Outer PVC Jacket

CABLE TYPE SUPERFLEX 1000 V 3 CONDUCTORS PHASE + 3 NEUTRAL 50%

Conductor Size	Nominal Area	Insulation Thickness	Jacket Thickness	Total OD	Total Weight	Ampacity	
						Buried Duct Triplex 20°C Amb.Temp	Free Air Triplex 30°C Amb.Temp
AWG / MCM	mm ²	mm		mm	kg / km	A	A
4	21.2	0.9	1.3	19.52	990	111	116
2	33.6	0.9	1.4	23.49	1,328	143	155
1	42.4	1.0	1.5	26.19	1,656	162	178
1/0	53.5	1.0	1.6	28.58	2,107	181	204
2/0	67.4	1.1	1.7	31.66	2,572	210	240
3/0	85.0	1.1	1.8	35.13	3,298	241	284
4/0	107	1.2	1.9	38.98	4,058	276	330
250	127	1.2	1.9	41.38	4,713	303	368
350	177	1.6	2.1	50.10	6,830	364	455
500	253	1.7	2.4	58.42	9,383	447	569

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