



TRAY CABLE 600V

Power, Unshielded, Method 4 Color Code

UL 44, UL 1277, ICEA-S-95-658/NEMA WC70

Power cable

APPLICATIONS

- In free air, cable trays, raceways or direct burial
- In wet or dry locations
- Permitted for Exposed Run -TC-ER
- Other industrial applications



CONSTRUCTION

Conductors	Tinned copper conductor in accordance with ASTM B-3 or ASTM B-33 , class B in accordance with ASTM B- 8.
Insulation	EPR type EPCV compound fulfilling type XHHW-2 (rating VW-1)
Colour code	Per ICEA Method 4, all cores are black with printed numbers in contrasting ink.
Ground	Uninsulated tinned copper, class B stranding per ASTM B-8or ASTM B-33.
Core arrangement	Insulated power conductors are assembled round together with uninsulated ground conductor and rubber fillers placed into the interstices.
Separator	Synthetic tape over core of cable .
Outer jacket	CPE - Heavy duty flame retardant thermosetting chlorinated polyethylene.
Colour of outer jacket	Black.
Test voltage	According to tab 14.1-UL 1277.

Features

Excellent flame resistant: FT4 UL 1685	Excellent resistance to crush, compression cuts and heat deformation
Maximum conductor temperature: 90°C	Moisture, water, weather, sunlight resistant
Excellent physical, thermal and electrical properties	Minimum bending radius: D- overall diameter of cable
Excellent resistant to a low temperature: - 40°C	D < 25mm 4 x D
Meets cold bend test at -25°C	25mm < D < 50mm 5 x D
Oil resistant: UL 1277	D > 50mm 6 x D
Ozone resistant: EN 60811-403, method A	All materials comply with ROHS and REACH declarations

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Approvals

UL: E310468

Example of marking
Ink jet printed

TF CABLE (UL) E310468 FLEXTREME TC TYPE TC-ER XHHW-2 cdrs 600V 3/C 8AWG +1/C 10AWG GRD
90°C (194F) wet or dry Sun Res Oil Res I & II FT4 -40°C dir bur + footage marking

Number of conductors	Conductor Size	Conductor stranding	Ground wire size	Nominal insulation thickness	Nominal jacket thickness	Approx. O.D.	Approx. weight
N	AWG	N	AWG	mils	mils	inch	LBS/1000ft
3	8	7	10	45	60	0,64	349
4	8	7	10	45	60	0,7	427
3	6	7	8	45	60	0,72	497
4	6	7	8	45	60	0,79	614
3	4	7	8	45	80	0,87	726
4	4	7	8	45	80	0,95	904
3	2	7	6	45	80	1	1048
4	2	7	6	45	80	1,09	1310
4	1	19	6	55	80	1,24	1638
3	1	19	6	55	80	1,13	1303
3	1/0	19	6	55	80	1,2	1557
4	1/0	19	6	55	80	1,32	1968
3	2/0	19	6	55	80	1,3	1879
4	2/0	19	6	55	80	1,43	2387

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Number of conductors	ConductorSize	Conductorstranding	Groundwiresize	Nominal insulation thickness	Nominal jacket thickness	Approx. O.D.	Approx. weight
N	AWG	N	AWG	mils	mils	inch	LBS/1000ft
3	3/0	19	4	55	80	1,42	2344
4	3/0	19	4	55	80	1,57	2974
3	4/0	19	4	55	80	1,56	2863
4	4/0	19	4	55	110	1,79	3747
3	250	37	4	65	110	1,75	3460
4	250	37	4	65	110	1,94	4404
3	350	37	3	65	110	1,98	4648
4	350	37	3	65	110	2,19	5950
3	500	37	2	65	110	2,3	5870
4	500	37	2	65	110	2,54	7672
3	750	61	1	80	110	2,82	8734

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