Tray Cable UL Type TC / TC-ER – 600V

14-10 AWG THHN/THWN-2 Insulation – with Ground – PVC Jacket

APPLICATION:

Primarily used for power, control, signal, communication and lighting circuits in commercial and industrial environments. Suitable for installation in cable trays, supported by messenger wire in open air, raceways, channels, conduits and ducts, direct burial or joist pull applications not exceeding 600 volts and outdoors in cable trays where sunlight resistant is required.

CONDUCTORS:

- Fully annealed bare copper Class B compressed strand per ASTM B3 and B8

INSULATION:

- Heat and moisture resistant Polyvinylchloride (PVC) with a Nylon jacket

GROUND:

- Soft bare annealed copper, Class B stranding per ASTM B3 and B8

COLOR CODE:

- Black insulation with ICEA Method 1, Table E-2

ICEA S-58-679 Method 1, Table E-2

Cond #	Cond Printing
1	Black
2	Red
3	Blue

ASSEMBLY:

- Conductors and ground are cabled together with or without fillers as required to form a round compact cable core with a binder tape

JACKET:

- Sunlight resistant PVC rated 90°C per UL 1277. Ripcord provided for jackets with thickness of 60 mils or less

STANDARDS:

- UL 66, UL 83, UL1277
- UL 1685 Vertical-Tray Fire-Propagation and Smoke-Release Test
- Approved as Type TC or TC-ER-JP, Sunlight Resistant, Direct Burial
- ASTM B3, ASTM B8
- NEC Article 336, Article 501, Article 725 for class 1 circuits

Part Number	Conductor Size	No. of Conductors	No. of Strands	Ground Wire Size	Insulation Thickness		Nylon Thickness		Jacket Thickness		Overall Diameter	Net Weight
	AWG			AWG	inches	mm	inches	mm	inches	mm	inches	lbs/kft
14-03TCG-VN	14	3	7	14	0.015	0.38	0.004	0.10	0.045	1.14	0.345	95
12-03TCG-VN	12	3	7	12	0.015	0.38	0.004	0.10	0.045	1.14	0.385	133
10-03TCG-VN	10	3	7	10	0.020	0.51	0.004	0.10	0.045	1.14	0.450	200

All values are nominal and subject to correction

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