

SERIES
8150S

Power-limited Tray Cable, PLTC/ITC



Multicoppia twistati e schermati - Multiple pair cables, twisted and shielded



Impiego - Use

Cavi UL Listed twistati a coppie e schermati costruiti per gli usi in circuiti Class 3 specificati dall'articolo 725 del ANSI/NFPA 70 "National Electrical Code" (NEC), su richiesta, questi cavi, possono essere Type PLTC-ER, CIC e Type ITC (Instrumentation Tray Cable) secondo l'articolo 727 del NEC ed idonei all'impiego in Class I, Division 2, Hazardous Locations.

UL Listed multiple pair cables, twisted and shielded, built for use in Class 3 circuits, as specified by article 725 of ANSI/NFPA 70 "National Electrical Code" (NEC). Furthermore, these cables, upon request, can be PLTC-ER Type, CIC and ITC Type (Instrumentation Tray Cable) according to article 727 of NEC and suitable for use in Class I, Division 2, Hazardous Locations.

Informazione. Si prega di chiedere all'ufficio commerciale la possibilità del servizio aggiuntivo di taglio a misura certificato UL ("Processed Wire").
Information. Please ask the sales department for the possibility of an additional UL certified cut-to-size service ("Processed Wire").

Dati tecnici - Technical data

Secondo quanto specificato dal NEC i cavi PLTC/ITC possono essere utilizzati per gli usi seguenti¹ :
According to NEC, PLTC/ITC cables can be used as follows¹ :

- (1) In cable trays.
- (2) In raceways.
- (3) In hazardous locations as permitted in 501.10, 502.10, 503.10, 504.20, 504.30, 504.80, 505.15.
- (4) Enclosed in smooth metallic sheath, continuous corrugated metallic sheath, or inter-locking tape armor applied over the non-metallic sheath in accordance with 727.6.
The cable shall be supported and secured at intervals not exceeding 1.8 m (6 ft).
- (5) Without a metallic sheath or armor between cable tray and equipment not to exceed 15 m (50 ft), where cable is supported and protected against physical damage using mechanical protection ... (see Article 727.4).
- (6) Between cable tray and equipment in lengths not to exceed 15 m (50 ft), where the cable complies with the crash and impact requirements of Type MC cable and is identified for such use ... (see Article 727.4).
- (7) As aerial cable on a messenger.
- (8) Direct buried where identified for the use.
- (9) Under raised floors in rooms containing industrial process control equipment and rackrooms where arranged to prevent damage to the cable.
- (10) Under raised floors in information technology equipment rooms ... (see Article 727.4).

¹ Per assicurare la corretta destinazione d'uso definita nel NEC si è deciso di mantenere la versione linguistica originaria.

Caratteristica Characteristics	Valore/proprietà Value/property
Conduttore Conductor	Trefolo di rame Copper strand
Isolamento Insulation	PVC
Distinzione conduttori Conductor distinction	Numerati, coppie nero/bianco Numbered, black/white pairs
Schermatura Shield	Nastro di alluminio sulle coppie e sul totale, dotato di filo di continuità Aluminium band on pairs and total, complete with drain wire
Guaina Jacket	PVC resistente alla luce e agli olii, colore nero PVC oil and sunlight-resistant, black color
Temperatura di esercizio Temperature range	+105°C
Tensione nominale Voltage rating	300 V
Riferimenti normativi costruttivi Standards of construction	UL/CSA approvals: (UL) Type PLTC, Class 1, Div. 2 NEC Art. 336, 392, 501; CSA C22.1 Tab.19; UL 13
Riferimenti normativi d'impiego Standards of use	NFPA 70 (NEC), CSA C22.1 (CE Code)

Codifiche e dimensioni - Coding and dimensions

Codice Code	Numero di conduttori Number of conductors	Sezione Size [AWG]	Diametro Diameter [mm (inch)]	Peso Weight [kg/km (lb/mft)]
CV04XW20_8150S_NE	2 X 2	20	8,6 (0.339)	96 (65)
CV08XW20_8150S_NE	4 X 2	20	10,4 (0.409)	156 (105)

Composizione del codice - Code composition

CV □ □ X □ □ □ _8150S_NE

Numero conduttori Number of conductors	Inserire To be inserted	Sezione Size	Inserire To be inserted
2 x 2	04	20 AWG	W20
4 x 2	08		