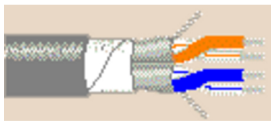
Product: 7838A



T1/DS1 Central Office, 2 Pair 22 AWG, CM

Product Description

2 Twisted Pair 22 AWG solid tinned copper conductors, Datalene® insulation, individually shielded with 100% Beldfoil® shield, 24 AWG solid tinned copper drain wire each pair, PVC jacket, CM rated.

Technical Specifications

Product Overview

Suitable Applications:	T1, DS1, Data

Construction Details

Conductor

Size	Stranding	Material	No. of Pairs
22	Solid	TC - Tinned Copper	2

Insulation

Material	Nom. Insulation Diameter	Color Code	Notes
PE - Polyethylene (Foam)	0.072 in (1.8 mm)	Blue & White/Blue, Orange & White/Orange	Solid PE w/ Foam PE skin

Inner Shield

Shield Type	Material	Coverage
Tape	Bi-Laminate (Alum+Poly)	100%

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	.202 x .360 in

Electrical Characteristics

Delay

Nom. Velocity of Prop.
72%

Voltage

UL Voltage Rating
300 V RMS

Mechanical Characteristics

Temperature

UL Temperature	Operating
75°C	-20°C To +75°C

Max. Pull Tension:	34 lbs (15 kg)
Bulk Cable Weight:	34 lbs/1000ft (51 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor Rated (Not Riser or Plenum), Indoor, Aerial - Black only, When supported by messenger wire

Flammability / Reaction to Fire:	UL1685 UL Loading
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	CM
CEC / C(UL) Compliance:	CM
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

Product Notes

Notes:	Single conductors are dual insulated. The outer layer of insulation must be stripped off before attaching modular connectors. Use a stripping tool such as Cooper Tools Xcelite model 103-S, or equivalent with a mechanical stop to avoid nicking the inner insulation. RJ-45 Compatible.

History

Update and Revision:	Revision Number: 0.364 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
7838A 0601000	Chrome	Reel	1,000 ft	612825190127	C
7838A 0602000	Chrome	Reel	2,000 ft	612825190134	C
7838A 0605000	Chrome	Reel	5,000 ft	612825190141	C

Footnote:	C - CRATE REEL PUT-UP.

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