Belden

Product: 8761

Electronic, 2 C #22 Str TC, PE Ins, OS, PVC Jkt, CM

Request Sample

Product Description

Electronic, 2 Conductor 22AWG (7x30) Tinned Copper, PE Insulation, Overall Beldfoil® Shield, PVC Outer Jacket, CM

Technical Specifications

Product Overview

Suitable Applications:	low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, ...); line level audio; computer communication; panel wiring

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	1	22 AWG	7x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PE - Polyethylene	0.017 in (0.43 mm)	0.062 in (1.6 mm)	Black, Clear

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (7x30) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.025 in (0.64 mm)	0.175 in (4.45 mm)

Overall Cable Diameter (Nominal):	0.175 in (4.45 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Nom. Inductance	Max. Current
Pair(s)	18.2 Ohm/1000ft	24 pF/ft (79 pF/m)	47 pF/ft (150 pF/m)	64 Ohm	0.2 µH/ft (0.66 µH/m)	6 Amps per Conductor at 30°C

Voltage

UL Voltage Rating
300 V (CM), 300 V (UL AWM 2092))

Mechanical Characteristics

Temperature

UL Temperature	Operating
60°C	-20°C to +60°C

Bend Radius

Stationary Min.	Installation Min.
1.8 in (46 mm)	1.8 in (46 mm)

Max. Pull Tension:	27.3 lbs (12.4 kg)
Bulk Cable Weight:	16 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL 1685 UL loading , IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca; CPR UKCA Class: Eca
NEC / UL Compliance:	Article 800, CM
AWM Compliance:	AWM 2092
CEC / C(UL) Compliance:	CM
European Directive Compliance:	EU CE Mark, 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
Plenum Number:	88761, 87761, 82761

History

Update and Revision:	Revision Number: 0.537 Revision Date: 02-20-2026

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC/EAN	Footnote
8761.00U152	Chrome	UnReel	152 m	8719605018946	
8761.01152	Chrome	Reel	152 m	8719605018960	
8761.00U305	Chrome	UnReel	305 m	8719605018953	
8761.01305	Chrome	Reel	305 m	8719605018977	
8761.K1305	Chrome	Reel	305 m	8719605018991	
8761 060500	Chrome	Reel	500 ft	612825215301	
8761 060U500	Chrome	UnReel	500 ft	612825215240	
8761.01610	Chrome	Reel	610 m	8719605018984	
8761 0601000	Chrome	Reel	1,000 ft	612825215257	C
8761 060U1000	Chrome	UnReel	1,000 ft	612825215233	
8761 0602000	Chrome	Reel	2,000 ft	612825215295	
8761 0605000	Chrome	Reel	5,000 ft	612825215318	C
8761 06010000	Chrome	Reel	10,000 ft	612825215264	C Y
8761 06015000	Chrome	Reel	15,000 ft	612825215288	C Y

Footnote:	C - CRATE REEL PUT-UP., Y - FINAL PUT-UP LENGTH MAY VAR -10% TO +20% FROM LENGTH SHOWN. MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.

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