Belden



Product: 9740

Electronic, 1 PR #18 Str TC, PVC Ins, PVC Jkt, CMG

Request Sample

Product Description

Electronic, 1 Pair 18AWG (16x30) Tinned Copper, PVC Insulation, PVC Outer Jacket, CMG

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	18 AWG	16x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.013 in (0.33 mm)	0.073 in (1.9 mm)	Black & Red

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.032 in (0.81 mm)	0.210 in (5.33 mm)

Overall Cable Diameter (Nominal):	0.210 in (5.33 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
Pair(s)	6.86 Ohm/1000ft	25.5 pF/ft (83.7 pF/m)	4.8 Amps per Conductor at 20ºC

Voltage

UL Voltage Rating
300 V (CM), 300 V (UL AWM 2464)

Mechanical Characteristics

Temperature

UL Temperature	Operating
80°C	-20°C to +80°C

Bend Radius

Stationary Min.	Installation Min.
2.1 in (53 mm)	2.1 in (53 mm)

Max. Pull Tension:	42 lbs (19 kg)
Bulk Cable Weight:	21 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Indoor

Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL 1685 FT4 Loading, FT4, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 725, Article 800, CMG, CL3
AWM Compliance:	AWM 2464
CEC / C(UL) Compliance:	CMG
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
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	89740, 87740, 82740

History

Update and Revision:	Revision Number: 0.531 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC/EAN	Footnote
9740 0601000	Chrome			612825257943	C
9740 060500	Chrome			612825257950	C
9740 0605000	Chrome			612825257967	
9740 060U1000	Chrome			612825257929	
9740.00305	Chrome	Reel	305 m	8719605022653	
9740.K0305	Chrome	Reel	305 m	8719605022660	
9740 060U500	Chrome		500 ft	612825257936	

Footnote:	C - CRATE REEL PUT-UP.

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