

Product: 9418

Electronic, 4 C #18 Str TC,SRPVC Ins, OS, PVC Jkt, CMG

Request Sample

Product Description

Electronic, 4 Conductor 18AWG (19x30) Tinned Copper, SRPVC Insulation, Overall Beldfoil® Shield, PVC Outer Jacket, CMG

Technical Specifications

Product Overview

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

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	4	18 AWG	19x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	SR-PVC - Polyvinyl Chloride (Semi-Rigid)	0.011 in (0.28 mm)	0.066 in (1.7 mm)	Red, Green, Black, White

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (19x32) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.035 in (0.89 mm)	0.245 in (6.22 mm)

Overall Cable Diameter (Nominal):	0.245 in (6.22 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	6.5 Ohm/1000ft	40 pF/ft (130 pF/m)	72 pF/ft (240 pF/m)	5 Amps per Conductor at 25ºC

Voltage

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

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
2.5 in (64 mm)	2.5 in (64 mm)

Max. Pull Tension:	113 lbs (51.3 kg)

Bulk Cable Weight:	42 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), 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 800, CMG
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
Plenum Number:	89418 or 82418

History

Update and Revision:	Revision Number: 0.544 Revision Date: 01-20-2023

Part Numbers

Variants

Item #	Color	UPC	Footnote
9418 060100	Chrome	612825240631	
9418 0601000	Chrome	612825240648	C
9418 06010000	Chrome	612825240655	C Y
9418 06013000	Chrome	612825240679	
9418 060500	Chrome	612825240686	C
9418 0605000	Chrome	612825240693	C Z
9418 060U1000	Chrome	612825240617	
9418 060U500	Chrome	612825240624	

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