

Product: 9538

RS232, #24-8c, SR-PVC, O/A Foil, PVC Jkt, CMG

Product Description

Computer EIA RS-232 Cable, 24 AWG stranded (7x32) tinned copper conductors, semi-rigid PVC insulation, overall Beldfoil® shield (100% coverage), 24 AWG stranded tinned copper drain wire, PVC jacket.

Technical Specifications

Product Overview

Suitable Applications:	RS-232 Applications; Computer Communications; Low Voltage Analog Signals (4-20mA, 0-10V, ...); Low Voltage Digital Control (24V, …); Line Level Audio; Panel Wiring

Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Conductor(s)	8	24 AWG	7x32	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Color Code
Conductor(s)	SR-PVC - Polyvinyl Chloride (Semi-Rigid)	0.011 in (0.28 mm)	Black, White, Red, Green, Brown, Blue, Orange, Yellow

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.032 in (0.81 mm)	0.224 in (5.69 mm)

Overall Cable Diameter (Nominal):	0.224 in (5.69 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	25 Ohm/1000ft (82 Ohm/km)	33 pF/ft (110 pF/m)	65 pF/ft (210 pF/m)	1.5 Amps per Conductor at 25ºC

Voltage

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

Mechanical Characteristics

Temperature

UL Temperature	Operating
60°C (UL CMG);80°C (UL AWM 2464)	-30°C to +80°C

Bend Radius

Stationary Min.	Installation Min.
2.7 in (69 mm)	2.7 in (69 mm)

Max. Pull Tension:	50 lbs (23 kg)
Bulk Cable Weight:	31 lbs/1000ft (46 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL1685 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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.359 Revision Date: 02-08-2022

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC/EAN
9538.0030	Chrome	Reel	30 m	8719605021953
9538 060100	Chrome	Reel	100 ft	612825255345
9538.00U152	Chrome	UnReel	152 m	8719605021960
9538.01152	Chrome	Reel	152 m	8719605021984
9538.00U305	Chrome	UnReel	305 m	8719605021977
9538.01305	Chrome	Reel	305 m	8719605021991
9538 060500	Chrome	Reel	500 ft	612825255369
9538 060U500	Chrome	UnReel	500 ft	612825255338
9538 0601000	Chrome	Reel	1,000 ft	612825255352
9538 060U1000	Chrome	UnReel	1,000 ft	612825255321
9538.011000	Chrome	Reel	1,000 m	8719605186683
9538 0605000	Chrome	Reel	5,000 ft	612825255376

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