

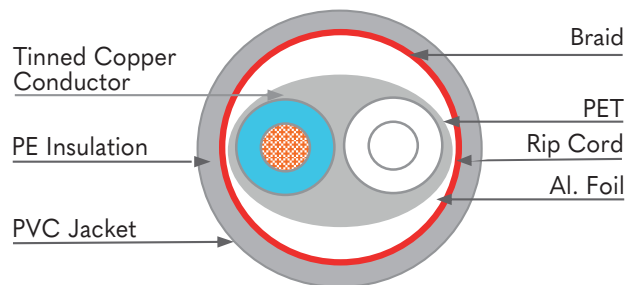


PRODUCT DESCRIPTION

RS-485, 1 Pair 24AWG (7x32) Tinned Copper, PE Insulation, Overall +Tinned Copper Braid (90%) Shield, PVC Outer Jacket, CM

APPLICATIONS

RS-485, POS; Computer communications; Low Voltage Analog Signals (4-20ma, 0-10v); Low Voltage Digital Control (24v); Line Level Audio; Panel Wiring; serial communication (RS-485 standard) comprising of PLCs, VFDs, HMIs, motors, RTU, SCADA, etc. within noisy environments over long distance, etc



CONSTRUCTION DETAILS:

Conductor:

Element	No. of Elements	Size	Stranding	Material
Pair(s)	1	24 AWG	7 x 32	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nominal Insulation Diameter	Colour Code
Pair(s)	PE - Polyethylene	0.023 in (0.58 mm)	0.068 in (1.7 mm)	Blue & White

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC
Braid	Tinned Copper (TC)	90%	

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.035 in (0.89 mm)	0.232 in (5.89 mm)
Table Notes	Jacket OD +/- 0.020	
Overall Cable Diameter (Nominal)	0.232 in (5.89 mm)	

ELECTRICAL CHARACTERISTICS

Element	Nom. Conductor DCR	Nom. Capacitance cond.- to-cond.	Nom. Capacitance Cond. to other (Conds+Shield)	Nom. Characteristic Impedence	Nominal Velocity of Prop.	Max. Current
Pair (s)	24 Ohm/1000ft	12.8 pF/ft (42.0 pF/m)	23 pF/ft	120 Ohm	66%	2.1 Amps per Conductor at 25°C (10°C Temperature Rise)

High Frequency (Nominal type)

Element	Frequency (MHz)	Nom. Insertion Loss (Attenuation)
Pair (s)	1	0.6 dB / 100 ft

Voltage

UL Voltage Rating

3600 V (CM), 30 V (UL AWM 2919)

Mechanical Characteristics

Temperature

UL Temperature	Operating
80°C	-30°C to +80°C

Bend Radius

Stationary Min.	Installation Min.
2.5 in (64 mm)	2.5 in (64 mm)
Max. Pull Tension	72.3 lbs (32.8 kg)
Bulk Cable Weight	36 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 2919
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
APAC Compliance	RoHS II (GB/T 26572-2011)
Other Standard Compliance	DMX-512

Ordering Information

Part No.	Description
NTVFST124P	NETCON 1 Pair 24 AWG Tinned Copper, Al. foil Shielded with 90% Tinned Copper braid Cable with PVC Jacket, 305 Mtr / Roll

Note: NTV- Series, FS- Aluminium Foil with Braiding , T - Tinned Copper, 124- 1 pair 24 Awg , P - PVC jacket