

RS485 22 & 24AWG CABLE

22 & 24 AWG Multi Conductor Cable

APPLICATION & FEATURES

Cable used for EIA Rs-485 applications, Hi-speed data transmission, Cable used for wide applications like Building Automation, Industrial Automation, BMS, SCADA, PLC etc.

INSULATION

Foam or Solid PE

Pair 1: WHITE / Blue + BLUE / White

Pair 2: White / Orange + Orange / White

Pair 3: white / Green + Green / White

Pair 4: White / Brown + Brown / White

INSULATION

Unit : Tinned Copper wire, flexible

Cable Core: N Pairs Stranded

Screen: Aluminium / Polyester 100% Coverage

Drain Wire: Tinned Copper 24 AWG (7 x 32)

Braid :Tinned Copper Wire

Sheath Material: Polyvinyl Chloride (PVC)

Stranded Colour: Grey

Standard Put Up Length: 305 or 500 metres

CHARACTERISTICS

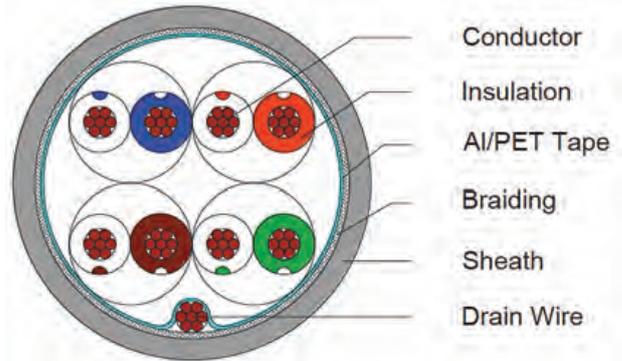
Voltage Rating : 300

Temperature Limits: Fixed: -20°C to +70°C

Minimum Bending Radius:
As per Cable Manufacturer's Data Sheet



Multi Conductor Cable 22 & 24 AWG



CORE IDENTIFICATION

Pair 1: ■ Red ■ Black

Pair 1: ■ Green □ white

Physical Characteristics

Conductor Gauge (AWG)	22				24			
	1	2	3	4	1	2	3	4
No. of Pairs	1	2	3	4	1	2	3	4
Conductor configuration (AWG)	7 x 30				7 x 32			
Insulation material	FPE	FPE	FPE	FPE	FPE	PE	PE	PE
Nom. Radial Thickness Insulation (mm)	0.6	0.5	0.5	0.5	0.55	0.55	0.55	0.55
Coverage braid (%)	65				90			
Nom. Radial Thickness Sheath (mm)	0.8							
Nom. Overall Diameter (mm)	6.1	9.1	9.3	10.3	5.9	8.0	8.6	9.3
Operating Temperature (°C)	-20°C / + 70°C							
Max. Pulling Tension (N)	265	355	355	355	355	355	355	355
Max. Bend Radius (install) (mm)	60	90	95	105	60	85	90	100
Nominal Cable Weight (kg/km)	63.7	75.6	97.0	119.1	49	80.5	92.6	114.4

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Electrical Characteristics

Conductor Gauge (AWG)	22				24			
No. of Pairs	1	2	3	4	1	2	3	4
Max. DC Resistance Conductor (Ω km)	57.4				88			
Max. DC Resistance Screen (Ω km)	20				15			
Nominal Impedance (Ω)	120							
Capacitance core to core (pF/m)	36	37	38	38	32	42	42	45
Capacitance core to rest (pF/m)	69	69	69	69	70	80	80	90
Nom. Attenuation at 1 MHz (db/100m)	2.05				2.6			
Max.Recom. Current @ 25°C (Amps)	2.7	2.7	2.7	2.7	2.1	2.1	1.54	1.54
Max. Operating Voltage (Vrms)	300							

REFERENCE STANDARDS

Flammability: Comply to IEC 60332-1, VW-1 / IEC 60228

Comply to RoHS

ORDERING INFORMATION

Part No.	Description
NTFST241L	NETCON 1 Pair 24 AWG RS485 Tinned Copper Shielded Cable with Drain Wire, Insulation PVC inner & LSZH
NTFST221L	NETCON 1 Pair 22 AWG RS485 Tinned Copper Shielded Cable with Drain Wire, Insulation PVC Inner & LSZH

NTFST 22* (* denotes AWG) NTFST 24* (* AWG)