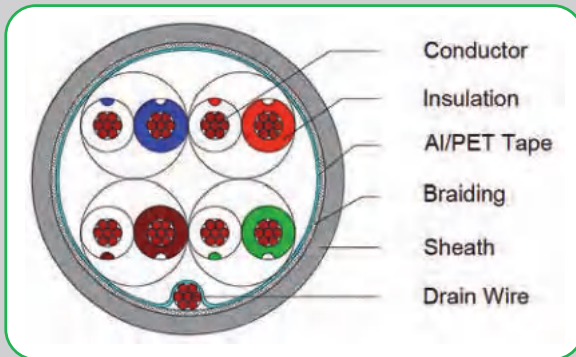


RS 485 COMMUNICATION CABLE



Multi Conductor Cable 22 & 24 AWG



Applications:

- ▶ 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



Design

Unit	Tinned Copper wire, flexible
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
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

Other colours, Put up Lengths and Structures can be manufactured upon request.

Multi Conductor Cable 22 & 24 AWG

Physical Characteristics

Conductor Gauge (AWG)	22				24			
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)	-25 / + 75							
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

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
NTFST221L	NETCON 1 Pair 22 AWG Tinned Copper Shielded Cable with Drain Wire, LSZH
NTFST241L	NETCON 1 Pair 24 AWG Tinned Copper Shielded Cable with Drain Wire, LSZH

NTFST 22* (* denotes no. of Pairs) NTFST 24* (* denotes no. of Pairs)