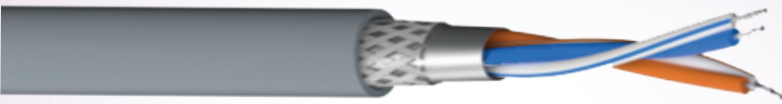


24 AWG SHIELDED RS485 CABLE



Features

- Colour coded 24AWG tinned copper twisted pair conductors to reduce electrical noise sensitivity.
- Polyethylene insulation provides high insulation resistance with a low and stable dielectric constant.
- Overall foil shield plus tinned copper braid shield maximizes shielding effectiveness, protect from radiated or conducted electromagnetic interference (EMI).
- PVC jacket provides durability in demanding installations.

Application

- Instrumentation and control engineering
- Industrial electronics
- Computers and office machines

Physical Specifications

Conductor	
Stranded Tinned Copper	1, 2, 3 and 4 Pairs
AWG	24
Stranding	7x32
Outer Dia.(±0.10mm)	0.34
Insulation	
Material	PE (Polyethylene)
Colour	1st Pair White/Blue, Blue 2nd Pair White/Orange, Orange 3rd Pair White/Green, Green 4th Pair White/Brown, Brown
Nom. Thickness (±0.10mm)	0.56 mm
Jacket	
Material	PVC (Polyvinyl Chloride)
Colour	Grey RAL7001 (Standard)
Nom. Thickness (±0.5mm)	0.89mm
Nom. Cable diameter (±0.10mm)	5.89mm/ 8.64mm/ 9.14mm/ 9.91mm
Minimum Bend Radius	1 Pair - 2.5" 3 Pairs - 3.75" 2 Pairs - 3.5" 4 Pairs - 4"

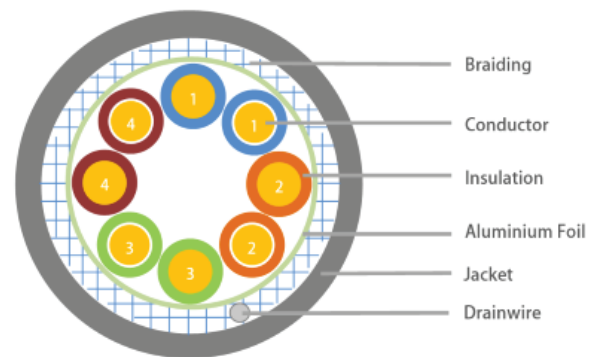


illustration for 4 pairs cable

Outershield	
Material	Tinned copper braiding
Coverage	90%
Drainwire	24 awg
Inner Shield	
Material	Overall Aluminium Foil shield
Coverage	100%

Electrical Characteristics

Impedance	120Ω ±15%
Velocity of Propagation	66%
Max Current Load	2.1A/Conductor @25°C
Capacitance	12.8 pF/ft Nom.
Resistance	24Ω DC / 1000 ft @ 20°C
Attenuation	0.6 dB/100 ft @ 1 MHz (Nominal)
Temp/Voltage	80°C /30V
Temp Range	-20°C to +80°C

Standards

NEC Articles	800
UL Compliance	CM
Flame Propagation	IEC 60332-1-2
Environment	Indoor

Ordering information

Part No.	Description
RCI-24S311P-zyx	1 Pair, 24AWG tinned copper, PE, AL Foil, braiding, PVC, RS-485 cable, 305m/roll
RCI-24S312P-zyx	2 Pairs, 24AWG tinned copper, PE, AL Foil, braiding, PVC, RS-485 cable, 305m/roll
RCI-24S313P-zyx	3 Pairs, 24AWG tinned copper, PE, AL Foil, braiding, PVC, RS-485 cable, 305m/roll
RCI-24S314P-zyx	4 Pairs, 24AWG tinned copper, PE, AL Foil, braiding, PVC, RS-485 cable, 305m/roll

*z = Packaging = 1- drum, 4 - box

*y = Colour = 4 - grey, 5 - white, 6 - red, 7 - black

*x = Batch = A, P

*Other length available upon request