

48 Pair Signal Cable

For Defense Applications

This cable is designed to connect electrical instrument circuit and provide communication service in and around process plant. Multi pair cables consist of groups of insulated conductors that are first twisted into pairs before being cabled together.

When considering a multipair cable, it is important to consider the possibility of cross-talk, noise interference, attenuation & other electric parameters. This cable has individually pair shield as well as overall shields with annealed tinned copper drain wire that eliminate crosstalk & noise interference well.



FEATURES

- ✓ Excellent ability to reduce noise interference from outside environment
- ✓ Minimize Cross talk
- ✓ Minimize Attenuation
- ✓ Minimize capacitance value
- ✓ Excellent Insulation resistance > 5000 M ohm/Km
- ✓ Voltage Grade up to 300 V
- ✓ Flame retardant as per IEC 60332-3 Cat B & IEEE 383
- ✓ Halogen acid gas emission max 20 %
- ✓ Smoke density max 60 %
- ✓ Min Oxygen Index value 29 %

CABLE CONSTRUCTION

Conductor	: Annealed Tinned Copper
Cable Dia	: 40mm ±3mm
Insulation	: Solid Polyethylene Insulation as per BS 6234
No of Pair	: Fourty Eight
Pair/Overall Shielding	: Aluminum backed Mylar Screen with ATC Drain Wire
Inner Sheath	: FRLS PVC Insulation (Type ST2, As per IS 5831:84)
Armouring	: Galvanised Steel Round Wire, as per IS 3975
Outer Sheath	: FRLS PVC Insulation (Type ST2, As per IS 5831:84)
Voltage Rating	: 300V

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