

Pilot Cable

3PR 2.5mm²+ 5PR 0.635mm²

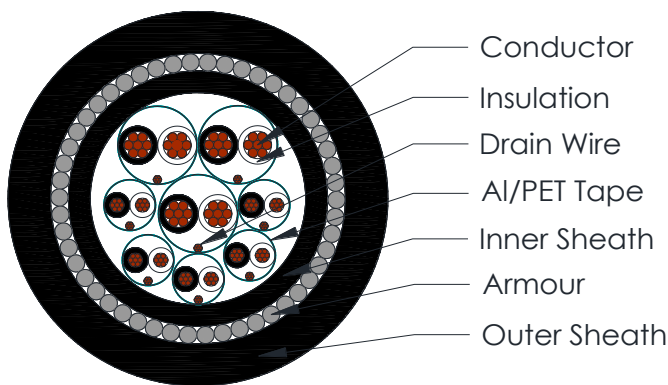


C4928

Applications

Indoor Cable suitable for use on a 3 phase, 50 Hz alternating current system.

Cross Section Drawing



Design

| Component | Unit | Properties |
|------------------------|-----------------------|--|
| 3 Pairs | Conductor | Plain Annealed stranded copper wire |
| | Insulation | Polyethylene (PE) Colour: Black and White with numbers identified |
| | Individual Drain Wire | Tinned stranded copper wire within each pair |
| | Individual Screen | Aluminum/Polyester tape over each pair |
| 5 Pairs | Conductor | Bare stranded copper wire |
| | Insulation | Polyethylene (PE) Colour: Black and White with numbers identified |
| | Individual Drain Wire | Tinned stranded copper wire within each pair |
| | Individual Screen | Aluminum/Polyester tape over each pair |
| Inner Sheath | | Polyvinyl Chloride (PVC) Standard Colour: Black |
| Armour | | Galvanized Steel Wire |
| Sheath | | Flame Retardant Polyvinyl Chloride (PVC) Standard Colour: Black |
| Standard Put Up Length | | 305 Meters |

*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

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Physical Characteristics

| Part Number | C4928 | | |
|---|------------|---------|---------|
| Component No. | 3 pairs | 5 pairs | Overall |
| Cross section of conductor (mm ²) | 2.5 | 0.635 | |
| Conductor Construction (mm) | 7×0.67 | 7×0.34 | - |
| Screen Coverage (%) | 115 | 115 | - |
| Drain wire construction (mm) | 7×0.20 | 7×0.20 | - |
| Inner sheath Diameter (mm) | | | 22.7 |
| Steel Wire Diameter (mm) | | | 0.90 |
| Nom. Overall Diameter (mm) | - | - | 27.5 |
| Operating Temperature Range (°C) | -10 to +75 | | |
| Relative Humidity @30°C | 100% | | |

Electrical Characteristics at 20°C

| Conductor Cross Section (mm ²) | Nom. Conductor Resistance (Ohm/km) | Induced Voltage (kVrms) | Voltage Grade (kVrms) |
|--|------------------------------------|-------------------------|-----------------------|
| 2.5 | 7.41 | 5 | 0.6/1.0 |
| 0.635 | 28.5 | 5 | 0.6/1.0 |

Reference Standards

| | |
|---------------------|---------------|
| BS-6390 | BS-6121 |
| BS-6360 | BS-6346 |
| IEC 60502-1/BSS/MEW | IEC 60332-3-A |
| RoHS directives | |