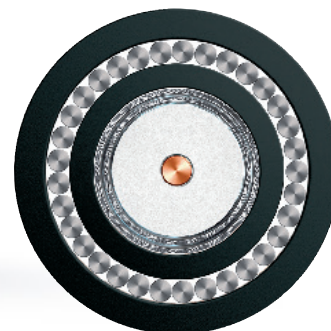




Quad Shield Armoured DataGuard™ Cable for ControlNet Applications



I 1402186040

| Cable Construction | |
|--|--|
| Inner Conductor: | Solid bare copper wire, 1x0.98mm |
| RG Type: | 6/U |
| AWG: | 18 |
| Dielectric: | Gas-Injected Foam Polyethylene |
| Screen 1): | Aluminium/polyester tape screen, 100% coverage |
| Shield 2): | Aluminium Braid, 60% coverage |
| Screen 3): | Aluminium/polyester tape screen, 100% coverage |
| Shield 4): | Aluminium Braid, 40% coverage |
| Inner Jacket: | Polyvinylchloride (PVC), Ø 7.7 mm |
| Armour: | DataGuard™ Steel Wire Armour (DSWA) |
| Outer Jacket: | Polyvinylchloride (PVC), Ø 12.60 mm |
| Approvals: | UL |
| Mechanical and Thermal Characteristics | |
| Temperature range | - |
| Max. Pulling Tension | - |
| Min. Bend radius | - |
| Weight | - |

| Electrical Characteristics | | |
|---|---------------|--------------|
| Characteristic Impedance (nom.) | 75 Ohm | |
| Inductance (nom.) | 0.3201 µH/m | |
| Capacitance Conductor to Shield (nom.) | 53.46 pF/m | |
| Velocity of Propagation (nom.) | 82% | |
| Nominal Delay | 4.224 ns/m | |
| Conductor D.C.R | 92.4 Ohm/km | |
| Outer Shield D.C.R | 11.88 Ohm/km | |
| Min. Structural Return Loss 5 MHz Start to 50MHz Stop | 23dB | |
| Attenuation | 1 MHz | 1.15 dB/100m |
| | 2 MHz | 1.25 dB/100m |
| | 5 MHz | 1.48 dB/100m |
| | 10 MHz | 1.94 dB/100m |
| | 20 MHz | 2.83 dB/100m |
| | 50 MHz | 4.52 dB/100m |
| | 100 MHz | 6.50 dB/100m |
| | 200 MHz | 9.30 dB/100m |
| 300 MHz | 11.48 dB/100m | |
| 400 MHz | 13.33 dB/100m | |