

INSTRUMENTATION CABLE
CuMGT, FR-HEPR insulated, overall screen, LSZH bedding, SWA, LSZH outer sheath
IEC60332.3-24, IEC60754, IEC61034, IEC60331-21

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|-----------------------|---|--------------------------------|
| Type | F-Cu/MGT/FR-HEPR/OS/LSZH/SWA/LSZH 300/ | 2X 1,5sqmm |
| | FTG18XOHM16FM16 300/500V | |
| Conductor : | Flexible plain copper conductor according to IEC60228 cl.5 size 1,5sqmm (28x0,25) Diam. 1,55 mm | |
| Insulation : | Mica tape, Cross-linked G18 extruded compound | - Temperature range -20 + 90°C |
| | Thickness : 0,6 mm | - Temperature laying -5 + 90°C |
| Laying up : | Twisted to pair, color Blue - Black (or to be agreed) | |
| Overall screen | Applied over total assembly will be wrapped with polyester tape and shielded with Aluminum/Mylar tape 100% coverage and 25% overlap with metal side in contact with a tinned copper drain wire 7x0,30 size 0,5sqmm. | |
| Bedding : | M16, Low Smoke Zero Halogen emission extruded compound Thickness : 1,0 mm | |
| Armour : | SWA, Galvanized steel round wires Thickness : 0,9 mm | |
| Outer sheath : | M16, Low Smoke Zero Halogen emission extruded compound Color : Red (or to be agreed) Thickness : 1,4 mm Overall diameter : 14,5 mm Total weight : 300 Kg/Km | |
| Marking : | On the outer sheath " manufacturer's name year & description cable " with ink-jet printer. | |
| Performance : | - Conductor resistance 13,3 ohm/Km (+ 5% for multipair) - Test voltage core to core 2 Kv - Flame retardant according to IEC60332-3-24, CEI20-22/3 - Low smoke and halogen free as per IEC60754-2, CEI20-37/2 - Low smoke density emission IEC61034-1/2 - Minimum bending radius 15 V. D. - Hydrocarbon and UV resistant - Inductance <=/= 0,90 mH/Km - Capacitance <=/= 0,250 microF/Km - Fire resistant IEC60331-21 | |

Weight and diameter are theoretical + / - 10%