

**INSTRUMENTATION CABLE
Cu, EPR insulated, individual and overall screen, LSZH outer sheath
IEC60332.3, IEC60754, IEC61034**

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| Type | Ft-Cu/XLPE/IS/OS/LSZH 300/500V FG7XHOHM1 300/500V | 2X2X 0,5sqmm |
| Conductor : | Flexible tinned copper conductor acc. to IEC60228 cl.5 Diam. 0,9 mm | size 0,5sqmm (16x0,20) |
| Insulation : | Cross-linked HEPR extruded compound Thickness : 0,5 mm | - Temperature range -20 + 90°C - Temperature laying -5 + 90°C |
| Laying up : | Twisted to pair, color Blue - Black numbered (or to be agreed) | |
| Pair/Triad screen | Applied over the single pair/triad 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, over the screen will be placed a further Mylar tape. | |
| 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. | |
| Outer sheath : | M1, Low Smoke Zero Halogen emission extruded compound Color : Green (or to be agreed) Thickness : 1,4 mm Overall diameter : 11 mm Total weight : 140 Kg/Km | |
| Marking : | On the outer sheath " manufacturer's name year & description cable " with ink-jet printer. | |
| Performance : | - Conductor resistance 40,1 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 8 V. D. - Hydrocarbon and UV resistant - Inductance </= 0,90 mH/Km - Capacitance </= 0,250 microF/Km | |

Weight and diameter are theoretical + / - 10%