

INSTRUMENTATION CABLE
Cu, XLPE insulated, Cu individual and overall screen, PVC bedding, STA, PVC outer sheath
IEC60332.3, IEC60584

Type	F-Kx/XLPE/ISH1/OSH1/PVC/STA/PVC 450/750V 2X2X 1sqmm Kx FE4XH1OH1RNR 450/750V
Conductor :	Flexible conductor according to IEC60584 NiCr + / Ni -, size 1sqmm (12x0,32) Diam. 1,3 mm
Insulation :	Cross-linked XLPE extruded compound - Temperature range -20 + 90°C Thickness : 0,6 mm - Temperature laying -5 + 90°C
Laying up :	Twisted to pair, color Green + , White - numbered (or to be agreed)
Pair/Triad screen	Applied over the single pair/triad will be wrapped with polyester tape and shielded with Copper / 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 Copper/Mylar tape 100% coverage and 25% overlap with metal side in contact with a tinned copper drain wire 7x0,30 size 0,5sqmm.
Bedding :	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Thickness : 1,0 mm
Armour :	STA, Double galvanized steel tape Thickness : 0,25 mm
Outer sheath :	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Color : Green (or to be agreed) Thickness : 1,4 mm Overall diameter : 17,8 mm Total weight : 450 Kg/Km
Marking :	On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.
Performance :	- Conductor resistance 19,5 ohm/Km (+ 5% for multipair) - Test voltage core to core 3 Kv - Flame retardant according to IEC60332-3-24, CEI20-22/3 - Low smoke and fume as per IEC60754-1, CEI20-37 - HCL emission <= 22% - Minimum bending radius 14 V. D. - Hydrocarbon and UV resistant

Weight and diameter are theoretical + / - 10%