

INSTRUMENTATION CABLE
Cu, PVC insulated, overall screen, PVC bedding, SWA, PVC outer sheath
EN50288-7, IEC60332.3

Type F-Cu/PVC/OS/PVC/SWA/PVC 300/500V
FR2XOHRFR 300/500V

Conductor : Flexible plain copper conductor according to IEC60228 cl.5 size 1sqmm (32x0,20)
Diam. 1,3 mm

Insulation : PVC extruded compound - Temperature range -15 + 80°C
Thickness : 0,5 mm - Temperature laying -5 + 70°C

Laying up : Twisted to pair, color Blue - Black numbered (or to be agreed)

Pair screen

Overall screen Over the multipair will be shielded with aluminium/mylar tape, with tinned copper drain wire 7x0,30 placed between the aluminium/mylar tape and further mylar tape.

Bedding : PVC, Polyvinylchloride Low Smoke and Fume extruded compound
Thickness : 1,2 mm

Armor : SWA, Galvanized steel round wires

Outer sheath : PVC, Polyvinylchloride Low Smoke and Fume extruded compound
Color : Black (or to be agreed)

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 2 Kv
- Flame retardant according to IEC60332-3-24, CEI20-22/3
- Low smoke and fume as per IEC60754-1, CEI20-37
- HCL emission \leq 22%
- Hydrocarbon resistant
- Inductance \leq 0,90mH/Km
- Capacitance \leq 0,25microF/Km

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Laying up :	Twisted to pair, color Blue - Black numbered (or to be agreed)	
Pair screen		
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Bedding :	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Thickness : 1,2 mm	
Armor :	SWA, Galvanized steel round wires	
Outer sheath :	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Color : Black (or to be agreed)	
Marking :	On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.	
Performance :	<ul style="list-style-type: none">- Conductor resistance 19,5 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 fume as per IEC60754-1, CEI20-37- HCL emission <= 22%- Hydrocarbon resistant- Inductance <= 0,90mH/Km- Capacitance <= 0,25microF/Km	

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Technical data & Electrical properties at 20°C

DESCRIPTION	Sheath thickness	Ext.Dia m mm	W. Kg/Km	Armor Diam.	Bendin g radius
FR2XOHRFR 300/500V 3X2x1	1,6	19	510	0,90	228
FR2XOHRFR 300/500V 5X2x1	1,6	21	660	0,90	252
FR2XOHRFR 300/500V 7X2x1	1,8	23	780	0,90	276

Weight and diameter are theoretical +/- 10%