Sensitherm
Special cables on demand - CPR UE305/2011 READY

CPR
PRODOTTI DA COSTRUZIONE

Instrumentation Cable - 104 CPR EU 305/2011

Conductor, G16 INSULATION, INDIVIDUAL ALUMINIUM SCREEN AND COPPER WIRE BRAID OVERALL SCREEN, M16 OUTER SHEATH
IEC 60332.1 IEC 60332.3 - HALOGEN FREE

Technical Specifications n° 104/18 of 24/01/2022 Rev. 2

Type: FG16XOHH2M16 0,6/1KV - FG16XHOH2M16 0,6/1 KV

Conductor: Flexible metal conductor according to IEC 60228

Insulation: EPR G16 type extruded compound

Temperature range -30 +90° C
Temperature laying 0 +70° C

SIZE	THICKNESS
1,0 mm²	0,7 ± 0,02 mm
1,5 mm²	0,7 ± 0,02 mm

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

Pair screen: (if required) Applied over the single pair/triad will be wrapped with polyester tape and shielded with Aluminium / Mylar tape100% coverage and 25% overlap with metal side in contact with a tinned copper drain wire 7x0,30 mm 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 wire braid 60% coverage.

Outer sheath: M16 LSZH extruded compound
Colour: Green/Black (or to be agreed)

Marking: On the outer sheath “Sensitherm – FG16XHOH2M16 0,6/1 KV Siz. IEC 60332.3
WWW/YY (Batch/Num.) Cca s1b-d1-a1 0001 m”

Performance:
- Test voltage core to core 3,5KV
- Flame retardant according to IEC 60332-3-24, CEI 20-22/3
- Low smoke and Halogen free as per IEC 60754-2, CEI 20-37/2
- Low smoke density emiss. IEC 61034 1/2
- Hydrocarbon and UV resistant
- Cable for intrinsically safe application
- Inductance </= 0,90mH/Km
- Capacitance /= 0,200µF/Km
- This cable is suitable to be used in ATEX area following the EN 60079-14 prescription (excluding annex E)
- EN50575 tested for approval

-CPR approved Cca s1b,d1,a1

IMQ CERTIFIED QUALITY MANAGEMENT SYSTEM ISO 9001:2015
ACCREDIA

Sensitherm
Special cables on demand - CPR UE305/2011 READY

CPR
PRODOTTI DA COSTRUZIONE

ITEM	THICKNESS OUTER SHEATH MM	OVERAL DIAMETER MM	WEIGHT KG/KM	BENDING RADIUS MM
FG16XOHH2M16 0,6/1KV 1x2x1 mm²	1,8	10	160	120
FG16XHOH2M16 0,6/1KV 2x2x1 mm²	1,8	14	270	160
FG16XHOH2M16 0,6/1KV 5x2x1 mm²	1,8	18	510	210
FG16XHOH2M16 0,6/1KV 6x2x1 mm²	1,8	19	590	220
FG16XHOH2M16 0,6/1KV 7x2x1 mm²	1,8	20	650	240
FG16XHOH2M16 0,6/1KV 12x2x1 mm²	1,8	25	1000	300
FG16XOHH2M16 0,6/1KV 1x3x1 mm²	1,8	10,4	190	120
FG16XHOH2M16 0,6/1KV 2x3x1 mm²	1,8	16,5	350	190
FG16XHOH2M16 0,6/1KV 5x3x1 mm²	1,8	21	670	250
FG16XHOH2M16 0,6/1KV 6x3x1 mm²	1,8	23	770	270
FG16XHOH2M16 0,6/1KV 7x3x1 mm²	1,8	23,4	850	270
FG16XOHH2M16 0,6/1KV 1x2x1,5 mm²	1,8	10	170	120
FG16XOHH2M16 0,6/1KV 1x3x1,5 mm²	1,8	10,5	200	130
FG16XHOH2M16 0,6/1KV 2x2x1,5 mm²	1,8	14,8	310	180
FG16XHOH2M16 0,6/1KV 3x2x1,5 mm²	1,8	15,8	380	190
FG16XHOH2M16 0,6/1KV 7x2x1,5 mm²	1,8	20,2	730	250
FG16XHOH2M16 0,6/1KV 12x2x1,5 mm²	1,8	26	1120	310
FG16XHOH2M16 0,6/1KV 3x3x1,5 mm²	1,8	18	520	220
FG16XHOH2M16 0,6/1KV 7x3x1,5 mm²	1,8	25	960	300

Weight and diameter: Are theoretical + / - 10%

Intended use: Instrumentation cable in buildings and other civil engineering works with the objective of limiting the generation and spread of fire and smoke.

IMQ CERTIFIED QUALITY MANAGEMENT SYSTEM ISO 9001:2015

ACCREDIA