

Control and Power Cable – 114-1 CPR EU 305/2011

CU, G16 INSULATION, OVERALL SCREEN PCWB, R16 INNER SHEATH, STEEL WIRE BRAID ARMOUR SWB, R16 OUTER SHEATH.

IEC 60332.1 - IEC 60332.3 – OIL RESISTANT – CPR Cca s3, d1, a3

Technical Specifications n° 114-1/23 of 10/11/2023 Rev. 0

Type: FG160H2R16AR16 0,6/1Kv

Conductor: Flexible metal conductor according to IEC60228 cl.5

Insulation: EPR G16 type extruded compound

Temperature range -30 +90° C

Temperature laying 0 +70° C

SIZE	THICKNESS
1,5 mm ²	0,70 ± 0,02 mm
2,5 mm ²	0,70 ± 0,02 mm
4 mm ²	0,70 ± 0,02 mm

Laying up: Twisted to cores UNEL color (or to be agreed)

Overall screen: Applied over total assembly will be wrapped with polyester tape and shielded with copper wire braid 60% coverage.

Inner sheath: R16 PVC extruded compound

Armour: Galvanized steel wires braid (SWB)

Outer sheath: R16 PVC extruded compound OIL Resistant
Colour: Grey/Black (or to be agreed)

Marking: On the outer sheath "Sensitherm – FG160H2R16AR16 0,6/1 KV Siz. IEC 60332.3
WWW/YY (Batch/Num.) Cca s3-d1-a3 0001mt"

Performance:

- Test voltage core to core 3,5KV
- Flame retardant according to IEC60332-3-24, CEI20-22/3
- Hydrocarbon and UV resistant
- Rodent resistant
- Fit for direct burial
- This cable is suitable to be used in ATEX area following the EN60079-14 prescription (excluding annex E)
- EN50575 tested for approval

CODE OUTER SHEATH BLACK	CODE OUTER SHEATH GREY	ITEM	THICK. OUTER SHEATH MM	OVERAL DIAMETER MM	WEIGHT KG/KM	BENDING RADIUS MM
1141900501	1141703501	FG160H2R16AR16 0,6/1Kv 2X1,5 mm ²	1,8	13	310	190
1141900502	1141703502	FG160H2R16AR16 0,6/1Kv 3X1,5 mm ²	1,8	13,6	370	190
1141900503	1141703503	FG160H2R16AR16 0,6/1Kv 4X1,5 mm ²	1,8	14,2	420	200
1141900504	1141703504	FG160H2R16AR16 0,6/1Kv 5X1,5 mm ²	1,8	15,3	460	220
1141900505	1141703505	FG160H2R16AR16 0,6/1Kv 7X1,5 mm ²	1,8	16,3	590	230
1141900506	1141703506	FG160H2R16AR16 0,6/1Kv 9X1,5 mm ²	2,0	18,4	680	270
1141900507	1141703507	FG160H2R16AR16 0,6/1Kv 12X1,5 mm ²	2,0	20,2	850	290
1141900508	1141703508	FG160H2R16AR16 0,6/1Kv 24X1,5 mm ²	2,0	26,2	1360	380
1141900509	1141703509	FG160H2R16AR16 0,6/1Kv 2X2,5 mm ²	1,8	14	370	200
1141900510	1141703510	FG160H2R16AR16 0,6/1Kv 3X2,5 mm ²	1,8	14,5	470	210
1141900511	1141703511	FG160H2R16AR16 0,6/1Kv 4X2,5 mm ²	1,8	16	550	230
1141900512	1141703512	FG160H2R16AR16 0,6/1Kv 5X2,5 mm ²	1,8	16,5	580	240
1141900513	1141703513	FG160H2R16AR16 0,6/1Kv 7X2,5 mm ²	1,8	18,2	740	260
1141900514	1141703514	FG160H2R16AR16 0,6/1Kv 9X2,5 mm ²	2,0	19,8	870	280
1141900515	1141703515	FG160H2R16AR16 0,6/1Kv 12X2,5 mm ²	2,0	22	1070	320

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.