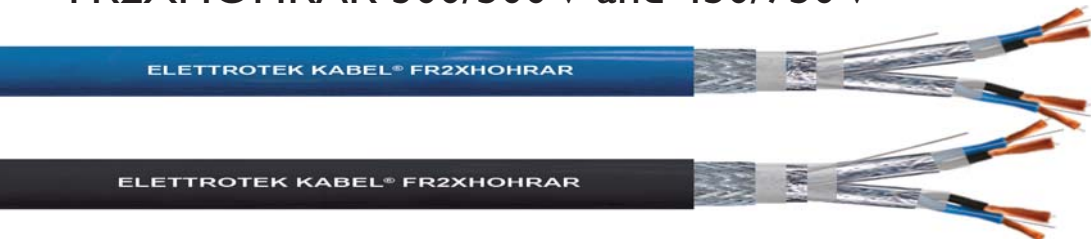


INSTRUMENTATION CABLES

FR2XHOHRAR 300/500 V and 450/750 V



Construction:

| | |
|----------------------|---|
| Conductor: | flexible red or tinned copper conductor Cl.5, acc. to IEC 60228 |
| Insulation: | PVC type R2 |
| Colour cores: | blue-black, with black progressively numbered |
| Stranding: | conductors twisted in pairs in concentric layers |
| Screen | |
| <i>Individual:</i> | electrostatic screen of plastic and aluminium tape + tinned drain-wire |
| <i>Overall:</i> | electrostatic screen of plastic and aluminium tape + tinned drain-wire |
| Inner sheath: | PVC compound |
| Armour: | braid of galvanized steel wires |
| Outer sheath: | black (RAL 9005), blue (RAL 5015) or grey (RAL 7001), PVC, type RZ |

Resistance:



Flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 50265-2-1
IEC 60332-1
EN 60332-3-24 CEI 20-22 III



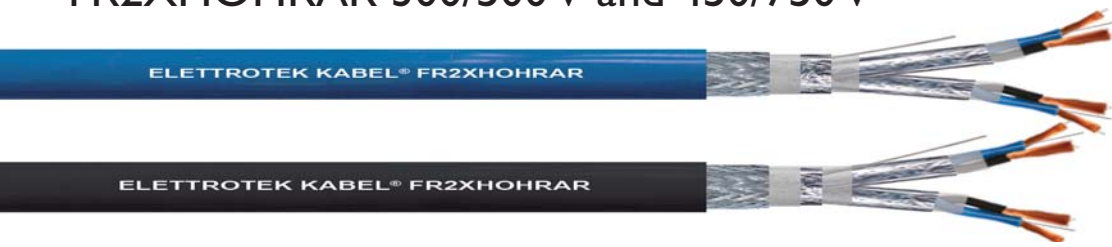
Low smoke emission acc to:
CEI 20-37, IEC 60754

Technical data:

| | |
|-----------------------------|--|
| Nominal voltage: | up to 0,75 mm ² : U ₀ /U 300/500 V from 1 mm ² : U ₀ /U 450/750 V |
| Test voltage: | up to 0,75 mm ² : 2 kV from 1 mm ² : 2,5 kV |
| Temperature range | -10 °C up to + 70 °C |
| Min. bending radius: | 10 x d |

INSTRUMENTATION CABLES

FR2XHOHRAR 300/500 V and 450/750 V



| Part no. | No. of pairs x cross section n x mm ² | Outer-Ø ca.mm ± 10% | Copper weight kg/km | Cable weight approx. kg/km | Inductance L (µH/m) |
|----------------|--|---------------------------|---------------------------|----------------------------------|---------------------------|
| 47040D.X022M05 | 2x2x0,50 | 10 | 33,6 | 150 | 0,90 |
| 47040D.X032M05 | 3x2x0,50 | 10,5 | 48 | 170 | 0,90 |
| 47040D.X042M05 | 4x2x0,50 | 11,5 | 62,4 | 200 | 0,90 |
| 47040D.X052M05 | 5x2x0,50 | 12,5 | 76,8 | 230 | 0,90 |
| 47040D.X062M05 | 6x2x0,50 | 13,5 | 91,2 | 270 | 0,90 |
| 47040D.X082M05 | 8x2x0,50 | 14,3 | 120 | 320 | 0,90 |
| 47040D.X102M05 | 10x2x0,50 | 16 | 148,8 | 380 | 0,90 |
| 47040D.X122M05 | 12x2x0,50 | 16,7 | 177,6 | 430 | 0,90 |
| 47040D.X162M05 | 16x2x0,50 | 18,8 | 235,2 | 550 | 0,90 |
| 47040D.X202M05 | 20x2x0,50 | 20,7 | 292,8 | 675 | 0,90 |
| 47040D.X242M05 | 24x2x0,50 | 22,3 | 350 | 790 | 0,90 |
| 47040D.X022M07 | 2x2x0,75 | 11,3 | 43,2 | 175 | 0,85 |
| 47040D.X032M07 | 3x2x0,75 | 12 | 62,4 | 210 | 0,85 |
| 47040D.X042M07 | 4x2x0,75 | 13 | 81,6 | 255 | 0,85 |
| 47040D.X052M07 | 5x2x0,75 | 14 | 96 | 295 | 0,85 |
| 47040D.X062M07 | 6x2x0,75 | 15,3 | 120 | 340 | 0,85 |
| 47040D.X082M07 | 8x2x0,75 | 16,3 | 158,4 | 405 | 0,85 |
| 47040D.X102M07 | 10x2x0,75 | 18,5 | 196,8 | 500 | 0,85 |
| 47040D.X122M07 | 12x2x0,75 | 19 | 235,2 | 555 | 0,85 |
| 47040D.X162M07 | 16x2x0,75 | 21,8 | 312 | 730 | 0,85 |
| 47040D.X202M07 | 20x2x0,75 | 23,5 | 388,8 | 855 | 0,85 |
| 47040D.X242M07 | 24x2x0,75 | 25,2 | 465,6 | 990 | 0,85 |
| 47040E.X022M10 | 2x2x1 | 12 | 52,8 | 200 | 0,85 |
| 47040E.X032M10 | 3x2x1 | 12,7 | 76,8 | 240 | 0,85 |
| 47040E.X042M10 | 4x2x1 | 14 | 100,8 | 295 | 0,85 |
| 47040E.X052M10 | 5x2x1 | 15,3 | 124,8 | 345 | 0,85 |
| 47040E.X062M10 | 6x2x1 | 16,5 | 148,8 | 395 | 0,85 |
| 47040E.X082M10 | 8x2x1 | 17,5 | 196,8 | 465 | 0,85 |
| 47040E.X102M10 | 10x2x1 | 20 | 244,8 | 580 | 0,85 |
| 47040E.X122M10 | 12x2x1 | 21 | 292,8 | 675 | 0,85 |
| 47040E.X162M10 | 16x2x1 | 23,5 | 388,8 | 840 | 0,85 |
| 47040E.X202M10 | 20x2x1 | 25,5 | 448,8 | 1000 | 0,85 |
| 47040E.X242M10 | 24x2x1 | 27,5 | 580,8 | 1160 | 0,85 |
| 47040E.X022M15 | 2x2x1,50 | 14,3 | 72 | 265 | 0,85 |
| 47040E.X032M15 | 3x2x1,50 | 15 | 105,6 | 320 | 0,85 |
| 47040E.X042M15 | 4x2x1,50 | 16,5 | 139,2 | 390 | 0,85 |
| 47040E.X052M15 | 5x2x1,50 | 18 | 172,8 | 455 | 0,85 |
| 47040E.X062M15 | 6x2x1,50 | 19,7 | 206,4 | 535 | 0,85 |
| 47040E.X082M15 | 8x2x1,50 | 21 | 273,6 | 660 | 0,85 |
| 47040E.X102M15 | 10x2x1,50 | 23,7 | 340,8 | 800 | 0,85 |
| 47040E.X122M15 | 12x2x1,50 | 24,5 | 408 | 900 | 0,85 |
| 47040E.X162M15 | 16x2x1,50 | 27,7 | 542,4 | 1140 | 0,85 |
| 47040E.X202M15 | 20x2x1,50 | 30,3 | 676,8 | 1350 | 0,85 |
| 47040E.X242M15 | 24x2x1,50 | 32,5 | 811,2 | 1555 | 0,85 |

* The point inside the part number refers to the different colors in which outer sheath can be produced. Each color has different letter.

Other dimensions and colours available on request.