









# FTM90HM1 / 5

Fire resistant cable



| Construction  |  | Resistance  |   |
|---------------|--|---|---|
| Conductor:    | flexible red copper conductor Cl. 5, acc to IEC 60228                  |    | <b>Flame retardant and self extinguishing acc. to:</b><br>IEC 60332-1-2<br>DIN VDE 0482 part.266-2-4<br>EN 50266-2-4<br>IEC 60332-3-24          |
| Insulation:   | Silicone rubber compound   |   |   |
| Colour cores: | red + black  |    | <b>Fire resistant acc. to:</b><br>IEC 60331-21<br>EN 50200 PH30   |
| Stranding:    | in layers  |   |   |
| Wrapping:     | PET tape   |    | <b>Halogen-free acc. to:</b><br>DIN VDE 0482 part 267,<br>EN 50267-2-1<br>IEC 60754-1 (equivalent DIN VDE 0472 part 815)                        |
| Screen:       | electrostatic screen of plastic and aluminium tape + tinned drain-wire |   |   |
| Outer sheath: | red (similar RAL 3000), halogen free compound                          |   | <b>Corrosiveness of conflagration gases acc. to:</b><br>DIN VDE 0482 part 267<br>EN 50267-2-2<br>IEC 60754-2 (equivalent DIN VDE 0472 part 813) |
|               |  |   |   |
|               |  |  | <b>Smoke density acc. to:</b><br>IEC 61034-1-2,<br>DIN VDE 0482 part. 268-1-2,<br>EN 50268-1-2  |

| TECHNICAL DATA       |                    | FEATURES  |  |
|----------------------|--------------------|---|--|
| Nominal voltage:     | 100/100 V          | Fire warning installation cable   |  |
| Test voltage:        | 2 kV               | PH30: at 830 °C flame and shock for 30 minutes  |  |
| Temperature range:   | -30°C up to + 90°C | FE180: insulation integrity for 180 min. acc. to IEC 60331-21   |  |
| installation:        | -5°C up to + 60°C  | Suitable for installation in a single conduit or channel or bridge, without interposing separators, with cable system of Category I <sup>o</sup> marked "450/750" or "0,6/1 kV" (as required by CEI-UNEL 36762) |  |
| Min. bending radius: | 15 x d             | RoHS and CE approval  |  |
|                      |                    |   |  |

| PART N.        | N. OF CORES X CROSS SECTION N X mm <sup>2</sup> | Outer -∅ ca.mm +/- 10% | Copper weight Kg/km | Cable weight approx Kg/km |
|----------------|---|------------------------|---------------------|---------------------------|
| 49160BRM020M05 | 2X0,5   | 5,7                    | 9,6                 | 37                        |
| 49160BRM020M07 | 2X0,75  | 6,3                    | 16                  | 49                        |
| 49160BRM020M10 | 2X1   | 6,9                    | 21                  | 61                        |
| 49160BRM020M15 | 2X1,5   | 7,6                    | 28                  | 75                        |
| 49160BRM020M25 | 2X2,5   | 8,9                    | 44                  | 105                       |
| 49160BRM040M10 | 4X1   | 8,1                    | 38,4                | 96                        |