

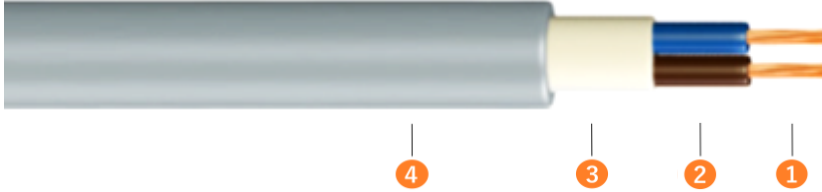
TECHNICAL DATASHEET

FG16R16 (Cu/HEPR/FR-PVC)

PROSTAR

APPLICATION

These cables with low dielectric losses can be used indoors and outdoors, in cable ducts, underground, power plants, local energy distribution, industrial facilities without risk of mechanical damage. Suitable for relatively high ambient temperature due to the high permissible maximum conductive temperature.



Number of cores x Nominal cross section (mm ²)	5x16
Rated voltage (U ₀ /U)	0,6/1 kV
Applicable standard	IEC 60502-1, CEI UNEL 35318

1 CONDUCTOR

Material of conductor	Class 5 fine stranded copper
Applicable standard	BS EN 60228, IEC 60228

2 INSULATION

Material of insulation	HEPR (hard ethylene propylene rubber)
Nominal thickness of insulation (mm)	0,70
Diameter of insulation (mm)	6,50
Identification of cores	Grey - Black - Brown - Blue - G/Y

3 FILLER

Material of filler	Flame retardant PVC
Nominal thickness of filler (mm)	0,60
Diameter of filler (mm)	18,90

4 OUTER SHEATH

Material of outer sheath	Flame retardant PVC
Nominal thickness of outer sheath (mm)	1,80
Overall cable diameter (mm) approx	22,50
Colour of outer sheath	GREY

TECHNICAL DATAS AND SPECIFICATIONS

Maximum resistance of the conductor at 20 °C	1,21 ohm/km
Current carrying capacity in; Conduit / Air	80 A / 72 A
Weight of cable (approx)	1075 kg/km
AC Test voltage	4000 V
Minimum bending radius during laying (mm)	5xCable Ø
Working temperature	-30 °C / +90 °C
Maximum operating temperature	90 °C
Maximum short circuit temperature (max. 5 sec.)	250 °C
Flame propagation test on single cable	BS EN 60332-1-2, IEC 60332-1-2
Flame retardant test of bunched cables	BS EN IEC 60332-3-24 Cat. C



-30 / +90 °C
Temperature range



90 °C
Max. operating temperature



250 °C
Max. short circuit (max. 5 sec.)



Flexible cable



BS EN 60332-1-2
Flame test



RoHS
Compliance



REACH
Compliance



European
Conformity



Eurasian
Conformity

PROSTAR