

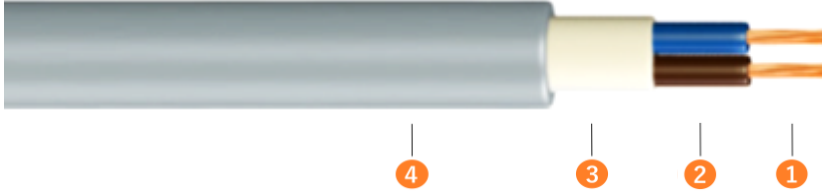
# TECHNICAL DATASHEET

## 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 <sup>2</sup> )	5x6
Rated voltage (U <sub>0</sub> /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)	4,45
Identification of cores	Grey - Black - Brown - Blue - G/Y

### 3 FILLER

Material of filler	Flame retardant PVC
Nominal thickness of filler (mm)	0,40
Diameter of filler (mm)	12,90

### 4 OUTER SHEATH

Material of outer sheath	Flame retardant PVC
Nominal thickness of outer sheath (mm)	1,80
Overall cable diameter (mm) approx	16,50
Colour of outer sheath	GREY

### TECHNICAL DATAS AND SPECIFICATIONS

Maximum resistance of the conductor at 20 °C	3,30 ohm/km
Current carrying capacity in; Conduit / Air	44 A / 41 A
Weight of cable (approx)	497 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

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