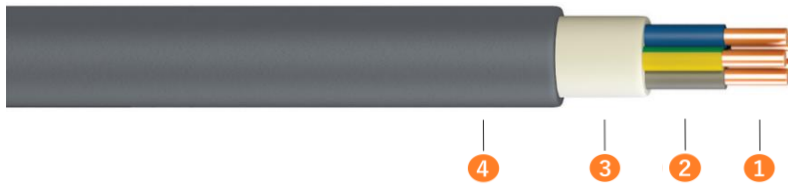


# TECHNICAL DATASHEET

## YMvK (Cu/XLPE/F2 PVC)

### APPLICATION

Suitable for dry and humid areas, all type of factories, warehouses and depots where there is fire and explosion threat. Not suitable for underground. Used in fixed installations laying in conduit on and under plaster.



Number of cores x Nominal cross section	mm <sup>2</sup>	3x2,5
Rated voltage (U <sub>0</sub> /U)	kV	0,6/1
Applicable standard	-	HD 604 S1 Part 4 Section D

### 1 CONDUCTOR

Material of conductor	-	Solid copper (Class 1)
Applicable standards	-	EN 60228

### 2 INSULATION

Material of insulation	-	XLPE (Cross-linked polyethylene)
Thickness of insulation	mm	0,70
Diameter of insulation	mm	3,15
Identification of cores	HD 308 S2	Brown - Blue - Green/Yellow

### 3 FILLER

Material of filler	-	F2 PVC (Flame retardant polyvinyl chloride)
Thickness of filler	mm	0,30
Diameter of filler	mm	7,40

### 4 OUTER SHEATH

Material of outer sheath	-	F2 PVC (Flame retardant polyvinyl chloride)
Thickness of outer sheath	mm	1,80
Overall cable diameter (approx)	mm	11,00
Colour of outer sheath	-	GREY

### TECHNICAL DATAS AND SPECIFICATIONS

Maximum resistance of the conductor at 20 °C	ohm/km	7,41
Current carrying capacity in; Ground / Air	A	40 / 32
AC Test voltage	V	3500
Weight of cable (approx)	kg/km	196
Minimum bending radius during laying	mm	12xCable Ø
Temperature range	°C	-20 / 90
Maximum operating temperature	°C	90
Maximum short circuit temperature (max. 5 sec.)	°C	250
Flame propagation test on single cable	-	EN 60332-1-2
Flame retardant test of bunched cables	-	EN IEC 60332-3-24 Cat. C



-20 / +90 °C  
Temperature range



90 °C  
Max. operating temperature



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



EN/IEC 60332-1-2  
EN IEC 60332-3-24  
Flame test standards



RoHS Compliance



REACH Compliance



European Conformity



Eurasian Conformity