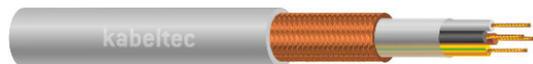


Leitungen nach ausländischen Normen / Cables according to foreign standards

FG160H2R16 (früher FG70H2R)

Flexible power and control cable for fixed wiring with copper wires braidscreen and insulation in G7 quality HEPR not propagating fire and with low emission of corrosive gases.

Flexible power and control cable for fixed wiring with copper wires braidscreen and insulation in G7 quality HEPR not propagating fire and with low emission of corrosive gases.



Verwendung:

Power and control use in outdoor and indoor applications, even wet. Suitable for fixed installations at open air, in tube or canals, masonry, metal structures, overhead wire or for direct and indirect underground laying. The most important property of this kind of cable is its copper screen protection against electromagnetic interferences. It is especially suitable for signals and control supply in industrial and civil environments and for low voltage system.

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Aufbau:

- HEPR Aderisolation
- Kupfergesamtschirm
- PVC Außenmantel

Technische Daten:

Leiter Werkstoff	Kupfer blank
Leiterklasse	Klasse 5
Aderisolationwerkstoff	HEPR in G7 Qualität
Aderkennung	zwei Adern: blau, braun drei Adern: braun,schwarz, grau oder blau, braun, grün/gelb vier Adern: blau, braun, schwarz, grau oder grün/gelb anstelle von blau 5 Adern: grün/gelb, blau, braun, schwarz, grauoder schwarz anstelle von grün/gelb
Verseilung	
Außenmantelwerkstoff	PVC R16 Qualität
Mantelfarbe	hell grau RAL 7035
Nennspannung [V]	0.6/1 kV
Prüfspannung [V]	4000
Leiterwiderstand	
Isolationswiderstand	
Strombelastbarkeit	
kleinster Biegeradius fest [xd]	
kleinster Biegeradius bewegt [xd]	
Betriebstemp. fest min/max [C]	-15°C bis +90°C
Betriebstemp. bew. min/mac [C]	-15°C bis +90°C
Temperatur am Leiter max.	+90°C
Brandverhalten	
Normen	- Standards: CEI 20-13 IEC 60502-1 CEI UNEL 35375 CEI UNEL 35377 CEI 20-22 II CEI EN 60332-1-2 CEI EN 50267-2-1

Application:

Power and control use in outdoor and indoor applications, even wet. Suitable for fixed installations at open air, in tube or canals, masonry, metal structures, overhead wire or for direct and indirect underground laying. The most important property of this kind of cable is its copper screen protection against electromagnetic interferences. It is especially suitable for signals and control supply in industrial and civil environments and for low voltage system.

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Construction:

- HEPR core insulation
- copper screen
- PVC outer sheath

Technical Data:

Conductor Material	bare copper
Conductor class	class 5
core insulation	HEPR insulation in G7 quality
core identification	two cores: blue-brown three cores: brown-black-gray (or blue-brown-Y/G) four cores: blue-brown-black gray (or Y/G instead blue) five cores: Y/G-blue-brown-black.grey (or black instead Y/G) Multicores: black with numbers
stranding	
outer sheath	PVC sheath in R16 quality
sheath colour	Light grey RAL 7035
rated voltage [V]	0.6/1 kV
testing voltage [V]	4000
conductor resistance	
insulation resistance	
current carrying capacity	
min. bending radius fixed [xd]	
min. bending radius moved [xd]	
working temp fixed min/max [C]	-15°C up to +90°C
working temp moved min/mac [C]	-15°C up to +90°C
temp at conductor max.	+90°C
burning behaviour	
Approvals	- Standards: CEI 20-13 IEC 60502-1 CEI UNEL 35375 CEI UNEL 35377 CEI 20-22 II CEI EN 60332-1-2 CEI EN 50267-2-1

Kabel / Cable

Art Nr. Part No.	Adern x Querschnitt no. of cores x cross section	Außen Ø ca. mm outer Ø ca. mm	CU Gewicht kg/100m copper weight kg/100m	Gewicht kg/100m weight kg/100m
	2 x 1.50	10.00	0.00	12.60
	2 x 2.50	11.20	0.00	17.50
	2 x 4	12.20	0.00	20.00
	2 x 6	13.20	0.00	24.60
	2 x 10	15.10	0.00	34.10
	2 x 25	20.60	0.00	73.00
	2 x 35	26.60	0.00	140.30
	2 x 50	30.50	0.00	183.00
	2 x 70	34.30	0.00	257.10
	2 x 95	38.60	0.00	314.30
	2 x 120	43.00	0.00	431.60
	2 x 150	47.50	0.00	554.70
	3 x 1.50	11.20	0.00	17.50
	3 x 2.50	14.30	0.00	31.60
	3 x 4	15.60	0.00	38.00
	3 x 6	16.90	0.00	45.60
	3 x 10	19.20	0.00	67.50
	3 x 16	21.50	0.00	93.90
	3 x 25	25.40	0.00	134.60
	3 x 35	28.30	0.00	174.40
	3 x 35 + 1x25	30.40	0.00	203.80
	3 x 50	32.40	0.00	226.20
	3 x 50 + 1x25	33.60	0.00	260.60
	3 x 70	36.80	0.00	318.80
	3 x 70 + 1x35	38.20	0.00	354.00
	3 x 95	41.20	0.00	430.90
	3 x 95 + 1x50	43.40	0.00	481.80
	3 x 120	45.80	0.00	563.50
	3 x 120 + 1x70	48.30	0.00	635.80
	3 x 150	50.90	0.00	692.10
	3 x 150 + 1x95	53.90	0.00	785.20
	3 x 185	56.60	0.00	807.90
	3 x 185 + 1x95	58.80	0.00	906.60
	3 x 240	63.30	0.00	1063.90
	3 x 240 + 1x150	66.90	0.00	1207.80
	4 x 1.50	12.0	0.00	20.40

Art Nr. Part No.	Adern x Querschnitt no. of cores x cross section	Außen Ø ca. mm outer Ø ca. mm	CU Gewicht kg/100m copper weight kg/100m	Gewicht kg/100m weight kg/100m
	4 x 2.50	15.30	0.00	35.70
	4 x 4	16.70	0.00	43.80
	4 x 6	18.40	0.00	53.50
	4 x 10	20.80	0.00	80.20
	4 x 16	23.40	0.00	116.40
	4 x 25	27.70	0.00	166.40
	4 x 25	27.70	0.00	166.40
	5 x 1.50	15.10	0.00	35.10
	5 x 2.50	16.40	0.00	42.40
	5 x 4	18.20	0.00	52.70
	5 x 6	19.80	0.00	65.30
	5 x 10	22.40	0.00	102.70
	5 x 16	25.40	0.00	141.50
	5 x 25	30.50	0.00	202.20
	5 x 35	34.00	0.00	243.00
	5 x 50	69.40	0.00	335.00
	7 x 1.50	15.10	0.00	39.90
	7 x 2.50	17.80	0.00	49.60
	10 x 1.50	19.70	0.00	50.30
	10 x 2.50	21.60	0.00	64.40
	12 x 1.50	20.20	0.00	57.40
	12 x 2.50	22.20	0.00	73.20
	16 x 1.50	22.00	0.00	69.00
	16 x 2.50	24.30	0.00	95.00
	19 x 1.50	23.00	0.00	81.30
	19 x 2.50	25.40	0.00	105.60
	24 x 1.50	26.40	0.00	97.20
	24 x 2.50	29.30	0.00	128.10

Kontakt: