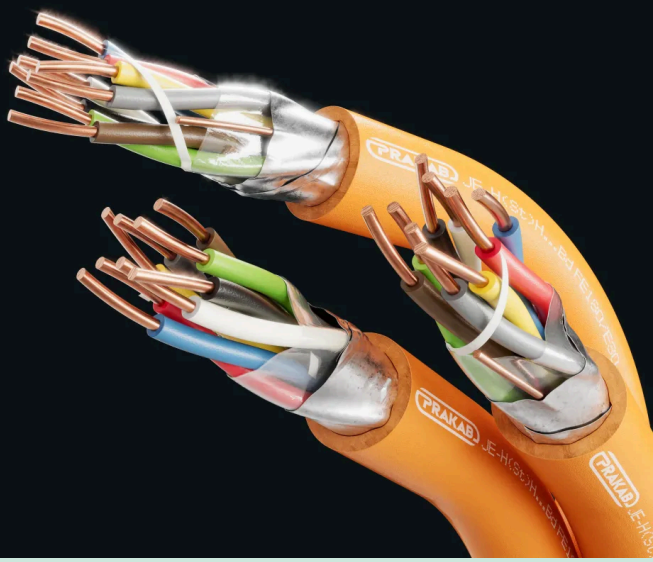
We Make Modern Life Possible.

SAFETY CABLES

JE-H(St)H...Bd FE180/E30

halogen-free installation control cable with insulation integrity and circuit integrity, screened

Measuring and control cable providing functional integrity in the event of fire. Not designed for laying in earth or water. Not UV and water resistant.



TECHNICAL DATA

Standard
adapted to DIN VDE 0815

Certificate
VDE Germany

Test Voltage
core/core 500 V / 50 Hz
core/screen 2000 V / 50 Hz

Rated Voltage
max. 225 Vss

Bending radius (min.)
7,5 x Ø of cable

Fire properties
EN 60332-1-2: self-extinguishing
EN 60754-2: halogen-free, non-corrosive combustion gases
EN 61034-2: low smoke emission
EN 60332-3-22: reduced flame propagation
IEC 60331-23: insulation integrity FE180
DIN 4102-12: circuit integrity E30

Core identification
DIN VDE 0815

Temperature range
Laying temperature: min. -5°C
Operating temperature: -30°C up to 70°C

DESIGN



1. Copper conductor, round solid (RE)
2. Core insulation (silicone rubber), cores pair stranded, marking with green thread
3. Inner covering (plastic tape)
4. Screen (plastic laminated aluminium tape with drain wire)
5. Sheath (halogen-free polymer compound, orange or red)

Electrical Parameters		
Conductor diameter	mm	0.8
Loop resistance max	Ω/km	73.2
Mutual capacitance (approx. value), at 800 Hz	nF/km	144
Mutual capacitance, max.	nF/km	120
Capacitance unbalance, max. k	pF/500m	400
Insulation resistance, min. at 20 °C	MΩ/km	100

Number of pairs x nominal diameter	Outer diameter appr. (mm)	Total weight appr. (kg/km)
2 x 2 x 0.8	7.9	84
4 x 2 x 0.8	11.1	138

System / System Manufacturer	System identification	Classification	Range	Distance (a) /Width (b) / Load (g)	AbP number	AbP part no.
Normtrag	Kabelleiter	E30	n x 2 x ≥ 0.8	a ≤ 1200 mm b = 400 mm g ≤ 20 kg/m	P-MPA-E-09-016	15-1
Normtrag	Kabelrinne	E30	n x 2 x ≥ 0.8	a ≤ 1200 mm b = 300 mm g ≤ 10 kg/m	P-MPA-E-09-016	15-2
Normtrag	Einzelschelle	E30	n x 2 x ≥ 0.8	a ≤ 300 mm	P-MPA-E-09-016	15-3
Normtrag	Bügleschelle m. Langwanne	E30	n x 2 x ≥ 0.8	a ≤ 600 mm	P-MPA-E-09-016	15-4
Niedax	RLVC 60.400	E30	n x 2 x ≥ 0.8	≤ 1500 mm b = 400 mm g ≤ 30 kg/m	ABP_P-1016-DMT-DO	II
LANZ	G-Kanal 50x100	E30	n x 2 x ≥ 0.8	wire dia. 4 mm g ≤ 10 kg/m	ABP_P-1016-DMT-DO	IV
OBO Bettermann	Grip 2031/M30	E30	n x 2 x ≥ 0.8	a ≤ 500 mm g ≤ 2,5 kg/m	ABP_P-1016-DMT-DO	XI
LANZ	WSP-Multibahn 400x60	E30	n x 2 x ≥ 0.8	a ≤ 1800 mm b = 400 mm g ≤ 20 kg/m	ABP_P-1016-DMT-DO	XIV
PohlCon	RG 60-30S	E30	n x 2 x ≥ 0.8	a ≤ 1550 mm b = 300 mm g ≤ 20 kg/m	ABP_P-1036-DMT_DO	IV
PohlCon	RG 60-40S	E30	n x 2 x ≥ 0.8	a ≤ 1550 mm b = 300 mm g ≤ 20 kg/m	ABP_P-1036-DMT_DO	V

Technical changes reserved. All figures are therefore without guarantee.



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