DATA SHEET

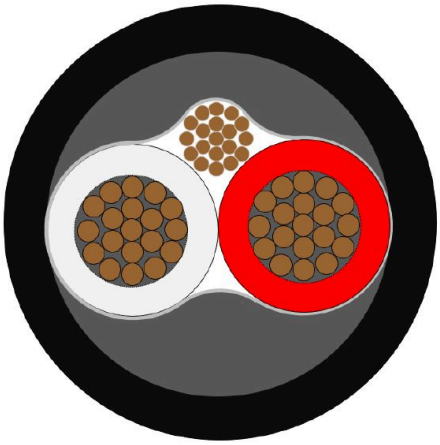
Power cables

2 core Power Cable, 6 mm2, Class 5, B2ca

02x6mm2CL5-P09-LSFH-CE#B2

Properties

- Flexible power cable with low bending radius and excellent cable routing properties
- Low smoke free of halogen thermoplastic jacket material
- Aluminum foil shielding and earth conductor for grounding



General data	
Cable type	Power cables
Weight per length	238 g/m
Installation temperature	-10 °C ... 50 °C
Operation temperature	-40 °C ... 90 °C
Min. bending radius during installation	101 mm
Min. bending radius in operation	67 mm
UV Resistance standard	IEC 60068-2-5

Conductor		
General	Number of conductors	2 pcs
	Cross section	6 mm²
Conductor class	Conductor class standard	IEC 60228
	Conductor class	Class 5
Insulation	Material	XLPE
	Diameter	4.3 mm
	Marking / colour coding	Red / White
Conductor electrical values	Resistance of core	3.3 Ω/km
	Resistance of core temperature	20 °C
	Current rating	45 A
	Operating voltage	0.6 kV AC / 1kV DC
	Test voltage	8.4 kV DC
	Test voltage duration	5 min

Drain wire	
Conductor class standard	IEC 60228
Conductor class	Class 5
Cross section	4 mm²

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Cable screen	
Material	PET/Aluminum
Type	laminated foil
Thickness	41 µm

Cable jacket		
Outer jacket	Material	LSFH thermoplastic TPE
	Diameter	11.6 mm
	Thickness	1.3 mm
	Colour	Black
	CPR standard	EN 50575:2014+A1:2016
	CPR class	B2ca-s1,d2,a1

Ordering Information Table	
Item number	Item description
85173020	02x6mm2CL5-P09-LSFH-CE#B2

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