



Reference: 10580755

CONTACT

Market information
industryprojects.business@lynxeogroup.com

Power cables with big cross-sections for high dynamic drag chain in industrial applications. PVC jacket, oil resistant, flame retardant.

STANDARDS

Product UL and CSA approval

UL recognised / CSA

UL AWM 90°C 1000V

CSA AWM I/II A/B 90°C 1000V

Oil Resistance

EN 50363-4-1

Flame Retardant

IEC 60332-1; FT1; UL1581

DESIGN

Conductor

Bare copper, class 6

Core insulation

Polyolefin

Core stranding

Cores stranded under a non woven tape

Core identification

Black numbered + GN/YE

Jacket

PVC

Colour

Grey RAL 2003

Other colours on request

Note

Dynamic bending radius available on each product: 7,5 xD (<25 mm²); 10 xD (≥25 mm²)



Halogen free
Yes



Rated Voltage U₀/U (Um)
0,6/1 kV



Fire retardant
IEC 60332-1



Oil resistance
EN 50363-4-1



Operating temp.
-5 ... 90 °C



Storage temperature, range
-30 ... 90 °C

CHARACTERISTICS

Construction characteristics

Conductor material	Bare copper class 6
Halogen free	Yes
Insulation	Polyolefin
Insulation colour	Black w. number + yellow/green
Lay Up	The elements are assembled to form cable core, with fillers if necessary
Outer sheath	PVC
Sheath colour	Grey RAL 7001
Taping	Non woven tape

Dimensional characteristics

Nominal outer diameter	10.8 mm
Number of cores	4
Conductor cross-section	4 mm ²
Approximate weight	220 kg/km
Copper content	160 kg/km

Electrical characteristics

Rated Voltage U ₀ /U (Um)	0,6/1 kV
Test voltage	4000 V

Mechanical characteristics

Bending cycles	5 Mio.
Maximum acceleration	15 m/s ²
Speed	180 m/min

Usage characteristics

Minimum dynamic operating bending radius	7.5 (xD)
Fire retardant	IEC 60332-1
Oil resistance	EN 50363-4-1
Operating temperature, range	-5 ... 90 °C
Storage temperature, range	-30 ... 90 °C
Field of application	Chain