



CONTACT

Market information
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Power supply single core cables for dynamic applications with PVC jacket, unshielded, resistant to oils, flame retardant

STANDARDS

Product UL and CSA approval

Power single core oil-resistant cables, UL-CSA approved, for dynamic laying

Type Approval Certificates

UL and CSA approval
AWM 80°C - 1000V
AWM 80°C - 1000V FT1

Oil resistance:

IEC 50363-4-1

Flame retardant:

IEC 60332-1-2

FT1

UL 1581

EN 50265-2-1

Fire resistance:

IEC 60332.3.24 cat. C

CEI 20-22/II



Operating temp.
-25 ... 80 °C



Storage temperature, range
-30 ... 80 °C



Flame retardant
IEC/EN 60332-1-2; FT1; UL 1581 FT1



Oil resistance
EN 50363-4-1

CHARACTERISTICS

Construction characteristics

Conductor material	Stranded bare copper
Insulation	PVC
Outer sheath	PVC
Sheath colour	Black

Electrical characteristics

Rated Voltage U ₀ /U	1000 V
Test voltage	4000 V

Mechanical characteristics

Maximum acceleration	10 m/s ²
Minimum bending cycles	5 Mio.
Speed	180 m/min

Usage characteristics

Field of application	Dynamic
Minimum dynamic operating bending radius	10 (xD)
Operating temperature, range	-25 ... 80 °C
Storage temperature, range	-30 ... 80 °C
Flame retardant	IEC/EN 60332-1-2; FT1; UL 1581 FT1
Oil resistance	EN 50363-4-1
Refrigerant oil resistance	CNOMO E.03.40.150N; NFT 46-013

PRODUCT LIST

Reference	Country Ref.	Name	Construction type	Nominal outer diameter [mm]	Approximate weight [kg/km]
☎ 10553183	13-ELW09X01R-N2	1x6.00 mmq	1x6.0	7.5	110
☎ 10553173	13-ELW03X01R-N2	1x25.00 mmq	1x25	12.6	362
☎ 10553175	13-ELW05X01R-N2	1x16.00 mmq	1x16	11.5	256
☎ 10553179	13-ELW07X01R-N2	1x10.00 mmq	1x10	9.0	166
☎ 13-ELWA2X01R-N2	13-ELWA2X01R-N2	1x70.00 mmq	1x70	20.4	950
☎ 10553189	13-ELWA1X01R-N2	1x50.00 mmq	1x50	17.0	686
☎ 10553171	13-ELW02X01R-N2	1x35.00 mmq	1x35	14.1	466
☎ 13-ELWA4X01R-N2	13-ELWA4X01R-N2	1x120.00 mmq	1x120	24.6	1553
☎ 10556462	13-ELWA3X01R-N2	1x95.00 mmq	1x95	22.4	1276

☎ = Make to order, 📦 = In stock,

Reference	Country Ref.	Name	Construction type	Nominal outer diameter [mm]	Approximate weight [kg/km]
☎ 13-ELWB1X01R-N2	13-ELWB1X01R-N2	1x185.00 mmq	1x185	28.2	2100
☎ 13-ELWA5X01R-N2	13-ELWA5X01R-N2	1x150.00 mmq	1x150	27.4	1670

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