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quality at the highest level



✓ installation ✓ halogen free ✓ FRNC ✓ RoHS ✓ REACH ✓ CE ✓ ✓ ✓ UN/ECE R118

UL AWM Style 11029 - FRNC AWG 20/7

Order-No. 0982007

Application / Description

UL/cUL stranded wires in halogen free and flame retardant construction. The mPPE-material allows very small outer diameters and don´t contain softeners. Therefore it´s an environment friendly replacement for PVC stranded wires. Stranded wires acc. to UL are primarily used for the internal wiring in electrical equipment as well as electrical control boxes and are steady to a large extent against acids, caustic solutions and many oils.

Variant data

O.D.	approx. 1,65 mm
weight	7,1 kg/km
Cu-weigth	5,6 kg/km
skinning tool	20100 / 40025

Construction / data

Conductor	tinned stranded copper wire
Structure of conductor	7 x 0,320 mm
Cross section	0,56 qmm
AWG	20-7
Core insulation	mPPE
Dimension	AWG 20/7

Technical characteristics

Temperature range	static: -40 °C to +105 °C dynamic: -20 °C to +105 °C
Bending radius static	> 10 x O.D.
Bending radius dynamic	> 20 x O.D.
Operating voltage	1.000 V

Testing voltage	3.000 V
Insulation resistance	> 20 MOhm x km at + 20°C

Packaging

Spools at 250m
Lower and upper lengths according to availability. Special packaging on request.

Add-on information

Additional Advantages of mPPE compared to PVC:
- trend-setting, because environment friendly and recyclable (non-interlaced thermoplastic)
- small dielectric constant permits substantially smaller outside diameters, thereby weight saving
- higher electrical strength
- larger insulation resistance
- FRNC (LSZH), flame retardant, zero halogen

Flammability: flame retardant acc. to VW-1 (UL), FT-1 (cUL)
Temperature rating per UL Style 11029 +105°C, cUL +105°C

Colours

The following colors are available:
black, white, red, blue, brown - additional green/yellow for AWG 16 and 18

(further colors as well as 2-colored versions are available on request)

Technische Änderungen und Irrtümer vorbehalten. Die Eignung für einen konkreten Verwendungszweck muss vom Kunden geprüft werden. Achtung: Gefahr eines elektrischen Schlages, Produkt darf nur von Fachpersonal verarbeitet werden!
Technical changes and errors reserved. The suitability for a specific purpose must be checked by the customer. Warning: Risk of electric shock, the product may only be handled by qualified personnel

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