kabeltronik®

quality at the highest level



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

UL AWM Style 11029 - FRNC

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.

Product range

Order-No.	Dimension	Structure of conductor *mm*	O.D. *approx. mm*	weight *kg/km*	Cu-weigth *kg/km*	skinning tool
0982407	AWG 24/7	7 x 0,200	1,30	3,4	2,2	20100 / 40025
0982007	AWG 20/7	7 x 0,320	1,65	7,1	5,6	20100 / 40025
0981819	AWG 18/19	19 x 0,254	2,00	11,6	9,4	20100 / 20050
0981619	AWG 16/19	19 x 0,300	2,20	15,6	13,1	20100 / 20050

Variant data

O.D. min.	depending on the article
O.D. max.	depending on the article

Construction / data

Conductor	tinned stranded copper wire
Cross section	depending on the article
AWG	depending on the article
Core insulation	mPPE

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	10.000 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)

© kabeltronik® Arthur Volland GmbH
Mühlweg 6, 85095 Denkendorf
Tel.: 08466 - 9404-0
E-Mail: info@kabeltronik.de