kabeltronik® quality at the highest level



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

UL AWM Style 11027 - 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	O.D.	weight	Cu-weigth	skinning tool
		mm	*approx. mm*	*kg/km*	*kg/km*	
0992807	AWG 28/7	7 x 0,127	0,85	1,5	1,0	40025 / 40026
0992607	AWG 26/7	7 x 0,160	0,95	2,0	1,4	40025 / 40026
0992407	AWG 24/7	7 x 0,200	1,05	2,9	2,2	20100 / 40025
0992207	AWG 22/7	7 x 0,250	1,20	4,2	3,5	20100 / 40025
0992007	AWG 20/7	7 x 0,320	1,42	6,0	5,5	
0991819	AWG 18/19	19 x 0,254	1,75	11,0	9,4	

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	> 15 x O.D.

Operating voltage	300 V
Testing voltage	2.000 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 11027 +105°C, cUL +105°C

Colours

The following colors are available:
black, white, red, blue, orange, yellow, green, brown, grey

(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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