kabeltronik®

quality at the highest level



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

UL AWM Style 11027 - FRNC AWG 22/7

300 V
Order-No. 0992207

Application / Description

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. 1,20 mm
weight	4,2 kg/km
Cu-weigth	3,5 kg/km
skinning tool	20100 / 40025

Construction / data

Conductor	tinned stranded copper wire
Structure of conductor	7 x 0,250 mm
Cross section	0,34 qmm
AWG	22-7
Core insulation	mPPE
Dimension	AWG 22/7

Technical characteristics

Flammability	flame retardant acc. to VW-1 (UL), FT-1 (cUL)
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
Reaction to fire UN/ECE R118	ISO 6722

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: small dielectric constant permits substantially smaller outside diameters, thereby weight saving; higher electrical strength; larger insulation resistance; FRNC, flame retardant, zero halogen;

Temperature rating per UL Style 11027 +105°C, cUL +105°C

Colours

Standard colours available from stock, further colours as well as two-coloured 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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