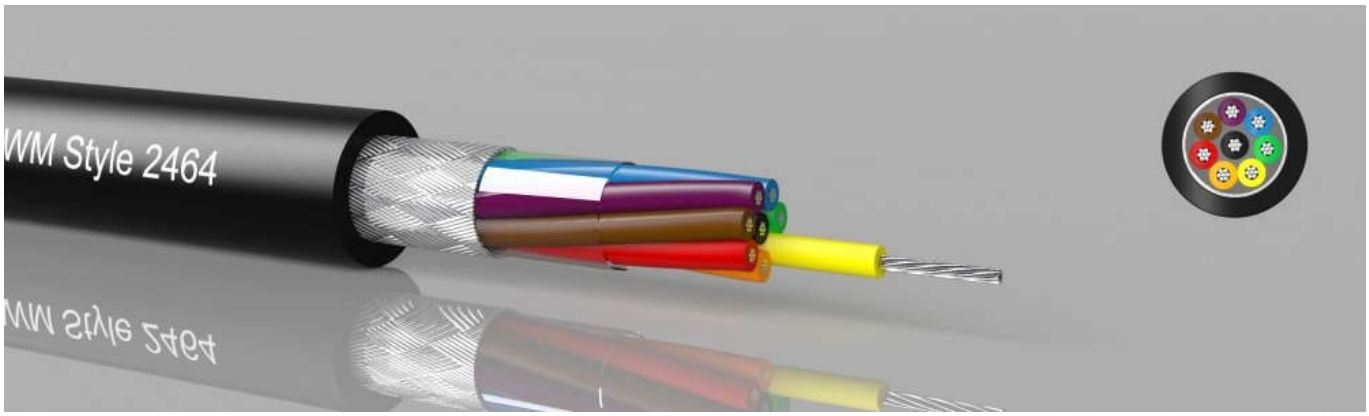
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UL-LiYCY 12 x AWG 20

UL AWM 2464/2517-10002, shielded
Order-No. 096122009

Application / Description

For connections in all fields of the measuring and control engineering as well as in signal and impulse technology. UL-specifications have to be matched for products which are exported to the American Market. Because of SR-PVC is used as core insulation, suitable for insulation displacement connectors (IDC). The outer jacket is to a very large extend resistant against oils, petrol, and weather-proof as well as UV-resistant by special PVC. The screening prevents electrical noice of influences to a large extend.

Variant data

O.D.	approx. 8,50 mm
weight	135,0 kg/km
Cu-weigth	99,6 kg/km
skinning tool (jacket)	40025
skinning tool (core)	30160 / 30900

Construction / data

Conductor	tinned stranded copper wire
Structure of conductor	7 x 0,32 mm
Cross section	0,56 qmm
Core-Ø	approx. 1,50 mm
AWG	AWG 20
number of cores	12
Core insulation	PVC, semi-rigid
Colour sequence	international colour-code
Twisting	cores in layers
Overall shield	tinned copper braid, coverage approx. 85 %
Outer jacket	PVC
Outer jacket colour	black, sim. RAL 9005
Dimension	12 x AWG 20

Technical characteristics

Flammability	flame retardant acc. to VW-1 (UL), FT-1 (cUL)
Temperature range	static: -30 °C to +105 °C dynamic: -15 °C to +105 °C *UL 2517. Per UL 2464 only +80°C
Bending radius static	> 10 x O.D.
Bending radius dynamic	> 15 x O.D.
Operating capacity (C/C)	approx. 160 pF/m
Operating voltage	300 V
Testing voltage	2.000 V
Insulation resistance	> 20 MOHM x km at + 20°C
Conductor resistance	max. 32,0 Ohm/km

Packaging

Rings at 100m, Reels at 500m
Lower and upper lengths according to availability. Special packaging on request.

Add-on information

Temperature rating per UL Style 2464 +80 °C, Style 2517 +105 °C, cUL +105°C

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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