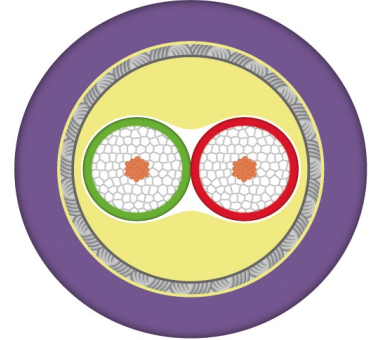


DOC: <i>documento</i>	794.2.0	cause of release: <i>emissione</i>	<input checked="" type="checkbox"/> information <i>informazione</i>	<input type="checkbox"/> definitive <i>definitiva</i>	ITEM CODE: <i>codice articolo</i>	0502468
ITEM DESCRIPTION: <i>descrizione articolo</i>						
NETBUS L2-FIP PFC24 S/FTP PUR AWM20236 1x2x0,64 (24/19AWG) FAST CONNECT (PROFIBUS™ DP CABLE) for dynamic (drag chain) application						
USE: <i>impiego</i>	<input checked="" type="checkbox"/> indoor interno edificio <input checked="" type="checkbox"/> outdoor limited esterno limitato <input type="checkbox"/> outdoor direct burial esterno interrato <input type="checkbox"/>	INSTALLATION: <i>posa</i>	<input checked="" type="checkbox"/> fixed fissa <input type="checkbox"/> flexible limited flessibile limitata <input checked="" type="checkbox"/> dynamic (drag chain) mobile in catena <input type="checkbox"/> dynamic (torsion) mobile in torsione	INFORMATION: <i>informazioni</i>	<input checked="" type="checkbox"/> 2011/65/EC RoHS compliant <input checked="" type="checkbox"/> 2014/35/UE LVD compliant <input checked="" type="checkbox"/> CE marking <input type="checkbox"/>	

Constructive characteristics

Inner conductor	stranded bare copper wires 0,25 mm ² (24/19 AWG)
Insulation	foam skin polyethylene
Insulation diameter (nom.)	2,55 mm
Insulation colours	red and green
Core assembly	twisted to a pair
Pair separation	polyester (PET) tape with overlap
Filler jacket	TPE-V flame retardant and halogen free
Filler jacket diameter (nom.)	5,5 mm
Shield	- aluminium/polyester (AL/PET) tape with overlap - AL surface outside - tinned copper wire braid 70% nom. coverage
Separation	non-woven (PET/PA) tape with overlap
Outer jacket	PUR halogen free and flame retardant
Jacket diameter (nom)	7,8 mm (± 0,2 mm)
Jacket colour	violet similar RAL4001
Weight (approx.)	75 kg/km
Marking (ink jet)	according to CEAM specification



Electrical and transmission properties @ 20°C

Max DC conductor resistance	78,0 Ω/km
Capacitance core/core (nom)	30 pF/m @ 800 Hz
Characteristic impedance	300 Ω (± 10%) @ 9,6 kHz; 185 Ω (± 10%) @ 31,25 kHz; 150 Ω (± 10%) @ 1 ÷ 20 MHz;
Attenuation	< 2,8 dB/km @ 9,6 kHz; < 4,2 dB/km @ 38,4 kHz; < 25,5 dB/km @ 4 MHz; < 52,0 dB/km @ 16 MHz;
Dielectric test voltage	1,0 kVac / 1 min (core/core)
Dielectric test voltage	1,0 kVac / 1 min (core/shield)
Min insulation resistance	5,0 GΩ x km

Fire performance

Flame retardant	compliant UL1581 §1060 (FT1), §1061 (Cable flame), §1080 (VW-1) and IEC 60332-1-2 Std.
Determination of the amount of halogen acid gas	compliant EN 50267-2-1 and IEC 60754-1 Std.
Heat release (approx.)	1428 MJ/km (0,396 kWh/m)

Approvals

UL/CSA	- insulation compliant AWM Style 1598 - 30V/80°C - jacket compliant AWM Style 20236 - 30V/80°C
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Standard reference

Standard reference	IEC 61158; EN 50170-2; DIN 19245; EIA RS485
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Other properties

Max operating voltage	250 V (not for power purposes)
Temperature rating (fixed)	-40°C / +80 °C
Temperature rating (flexing)	-20°C / +70 °C
Temperature rating (dynamic)	-20°C / +60 °C
Min bend radius (fixed)	10 x outer Ø
Min bend radius (dynamic)	12 x outer Ø
Max pulling force	80 N
Oil resistance	compliant IEC 60811-2-1, ASTM IRM901 and IRM902 and ICEA S-82-552 Std.
UV resistance	compliant UL1581 §1200 Std.
Mud resistance	compliant NEK 606 Std.
Ozone resistance	compliant EN 50396 Std.
Microbe resistance	compliant VDE 0282/10 Std.
Saturated hydrocarbons resistance	good (diesel, kerosene, petrol ether)
Max translation speed (axial drag chain)	3,0 m/s (subject to correct installation)
Max acceleration (axial drag chain)	5,0 m/s ² (subject to correct installation)
Max length (drag chain)	5,0 m

note/s:

- free of paint wetting impairment substance (eg. Silicone)

DATE: <i>data</i>	23/01/2017	FILLED IN BY: <i>14 compilato</i>	Tech. Dept.	AUTHORIZED: <i>visto</i>	
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