
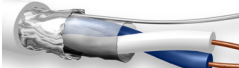

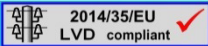


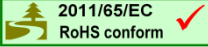




# INDUSTRIA / INDUSTRY

## CAVI FIELDBUS PER DOMOTICA PER APPLICAZIONI TIPO LON Works™ – SERIE NETBUS FIELD BUS CABLES FOR LON Works™ DOMOTIC APPLICATIONS – NETBUS SERIES

POSA FISSA INTERNA – FIXED INSTALLATION (INDOOR ONLY)

ARTICOLO / ARTICLE	NETBUS LON H022 (H07701) 1×2×22/1 AWG (0,33mm <sup>2</sup> )	NETBUS LON H122 (H07703) 1×2×22/1 AWG (0,33mm <sup>2</sup> )	NETBUS LON H116 (Y08471) 1×2×16/19 AWG (1,35mm <sup>2</sup> )
codice / part number	0502568	0502571 Classe E <sub>ca</sub> CPR UE 305/2011	0930002 Classe E <sub>ca</sub> CPR UE 305/2011
			
			
			
APPLICAZIONE / APPLICATION	collegamento in rete di dispositivi elettronici di comando con tecnologia LON Works e usato anche nel campo dell'automazione di edificio 78 kbps/1300m – 1,25 Mbps/500m network connection of control devices with LON Works technology also used in building automation 78 kbps/1300m – 1,25 Mbps/500m		

### CONSTRUZIONE / CONSTRUCTION

conduttore / conductor	Cu - 1×0,64 mm Ø (22/1AWG)	Cu - 1×0,64 mm Ø (22/1AWG)	CuSn - 19×0,30mm Ø (16/19AWG)
isolamento / insulation	PEE	PEE	PVC
colorazione e formazione coppia / pair colors and assembly	bianco + blu / white + blue	bianco + blu / white + blue	bianco + nero / white + black
schermatura / shield	---	nastro AL/PET + cond. continuità CuSn 26AWG AL/PET tape + CuSn drain wire 26AWG	---
guaina esterna / outer jacket	mescola LSZH / LSZH compound Ø 3,5 mm colore bianco RAL9018 / white RAL9018	mescola LSZH / LSZH compound Ø 4,4 mm colore bianco RAL9018 / white RAL9018	FR-PVC Ø 6,9 mm colore grigio RAL7001 / gray RAL7001
peso indicativo / approx. weight	18 kg/km	25 kg/km	79 kg/km

### PROPRIETÀ ELETTRICHE E TRASMISSIVE [ @ 20°C ] / ELECTRICAL AND TRANSMITTING PROPERTIES [ @ 20°C ]

resistenza conduttore interno / inner conductor resistance	57,0 Ω/km	57,0 Ω/km	14,0 Ω/km
capacità coppia / pair capacitance	45 pF/m	45 pF/m	100 pF/m
impedenza / impedance	100 Ω	100 Ω	85 Ω @ 100 kHz
attenuazione / attenuation	2,1 dB/100m @ 1 MHz 4,2 dB/100m @ 4 MHz 7,2 dB/100m @ 10 MHz	2,0 dB/100m @ 1 MHz 3,4 dB/100m @ 4 MHz 5,4 dB/100m @ 10 MHz	0,4 dB/100m @ 100 kHz 2,2 dB/100m @ 1 MHz
induttanza / inductance	0,6 mH/km @ 100 kHz	0,6 mH/km @ 100 kHz	0,6 mH/km @ 100 kHz
resistenza d'isolamento (min.) / insulation resistance (min.)	5,0 GΩ×km	5,0 GΩ×km	20 MΩ×km
tensione di prova C/C (C/S) / test voltage C/C (C/S)	1,0 (0,7) kVac	1,0 (0,7) kVac	1,5 kVac
tensione operativa (max) / operating voltage (max)	125 V non per uso potenza / not for power purposes	125 V non per uso potenza / not for power purposes	300 V non per uso potenza / not for power purposes

### ALTRE PROPRIETÀ / OTHER PROPERTIES

temperatura di funzionamento / operating temperature range	-20°C / +75°C	-20°C / +75°C	-20°C / +80°C
calore rilasciato da combustione / heat released upon combustion	183 MJ/Km (0,051 kWh/m)	337 MJ/km (0,094 kWh/m)	1242 MJ/km (0,344 kWh/m)
comportamento al fuoco / fire behaviour	non propagante la fiamma secondo / flame retardant according to EN IEC 60332-1-2/A1:2015	non propagante la fiamma secondo / flame retardant according to EN IEC 60332-1-2/A1:2015	non propagante la fiamma secondo / flame retardant according to EN IEC 60332-1-2/A1:2015
raggio min. di piegatura / min. bending radius	10 × Ø esterno cavo 10 × outer cable Ø	10 × Ø esterno cavo 10 × outer cable Ø	10 × Ø esterno cavo 10 × outer cable Ø
standard di riferimento / reference standard	<ul style="list-style-type: none"> <li>CEI UNEL 36762</li> <li>EN IEC 60332-1-2/A1:2015</li> <li>EN 13501-6 • EIA RS485</li> <li>EN 60754-2/A1:2020.</li> <li>EN 61034-2/A2:2020</li> </ul>	<ul style="list-style-type: none"> <li>CEI UNEL 36762</li> <li>EN 50575 :2014+A1:2016</li> <li>EN IEC 60332-1-2/A1:2015</li> <li>CEI UNEL 35016:2016</li> <li>UNI EN 13501-6 :2019 • CEI 64-8;V4:2017</li> <li>EIA RS485 • EN 60754-2/A1:2020</li> <li>EN 61034-2/A2:2020</li> </ul>	<ul style="list-style-type: none"> <li>CEI UNEL 36762</li> <li>EN 50575 :2014+A1:2016</li> <li>EN 60332-1-2/A1:2015</li> <li>CEI UNEL 35016:2016</li> <li>UNI EN 13501-6 :2019 • CEI 64-8;V4:2017</li> <li>EIA RS485 (per tratte fino a 500 mt / up to 500 mt lengths)</li> </ul>
coesistenza / installation with energy cables	• ammessa con cavi per sistemi di I categoria aventi marcatura 450/750 V e 0,6/1 kV utilizzati per sistemi a tensione nominale verso terra (U <sub>0</sub> ) fino a 400 V / suitable for installation with 450/750V and 0,6/1kV energy cables		
imballi disponibili / packaging	<ul style="list-style-type: none"> <li>100m (matassa / coils)</li> <li>500/1000m (bobina / drums)</li> </ul>	<ul style="list-style-type: none"> <li>100m (matassa / coils)</li> <li>500/1000m (bobina / drums)</li> </ul>	<ul style="list-style-type: none"> <li>100m (matassa / coils)</li> <li>500/1000m (bobina / drums)</li> </ul>
varianti costruttive / other versions	• NETBUS LON Y022 (guaina PVC / PVC Jacket)	• NETBUS LON Y122 (guaina PVC / PVC Jacket)	• H08471 (guaina LSZH / LSZH jacket – Cod. 0931002)