



CABLES LIST

Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C	Form A 	Form A - B	Form C
01	PVC/PVC	IEC332-1 H03VVF	Black	0.50mm ²	3	ø5mm	-20°C / +80°C		●	●
A1	PVC/PVC	IEC332-1 H03VVF	Black	0.50mm ²	2	ø5mm	-20°C / +80°C		●	●
B1	PVC/PVC	IEC332-1 H03VVF	Black	0.50mm ²	4	ø6mm	-20°C / +80°C		●	●
02	PVC/PVC	IEC332-1 H05VVF	Black	0.75mm ²	3	ø6.7mm	-20°C / +80°C		●	
A2	PVC/PVC	IEC332-1 H05VVF	Black	0.75mm ²	2	ø6mm	-20°C / +80°C		●	
B2	PVC/PVC	IEC332-1 H05VVF	Black	0.75mm ²	4	ø7mm	-20°C / +80°C		●	
C2	PVC/PVC	IEC332-1 H05VVF	Black	0.75mm ²	5	ø8.3mm	-20°C / +80°C		●	
03	PVC/PVC	CEI2022 II F.R.O.R.	Grey RAL7032	0.75mm ²	3	ø5.5mm	-20°C / +80°C		●	
A3	PVC/PVC	CEI2022 II F.R.O.R.	Grey RAL7032	0.75mm ²	2	ø6mm	-20°C / +80°C		●	
04	PVC/PVC	CEI2022 II F.R.O.R.	Grey RAL7032	0.50mm ²	3	ø5mm	-20°C / +80°C		●	●
A4	PVC/PVC	CEI2022 II F.R.O.R.	Grey RAL7032	0.50mm ²	2	ø5mm	-20°C / +80°C		●	●
B4	PVC/PVC	CEI2022 II F.R.O.R.	Grey RAL7032	0.50mm ²	4	ø6mm	-20°C / +80°C		●	●
05	PVC/PVC	CEI2022 II F.R.O.R.	Grey RAL7032	0.75mm ²	4	ø7mm	-20°C / +80°C		●	
C5	PVC/PVC	CEI2022 II F.R.O.R.	Grey RAL7032	0.75mm ²	5	ø8.3mm	-20°C / +80°C		●	
06	PVC/PVC	CEI2022 II F.R.O.R.	Grey RAL7032	1mm ²	3	ø6.7mm	-20°C / +80°C		●	
A6*	PVC/PVC	CEI2022 II F.R.O.R.	Grey RAL7032	1mm ²	2	ø6.5mm	-20°C / +80°C		●	
B6*	PVC/PVC	CEI2022 II F.R.O.R.	Grey RAL7032	1mm ²	4	ø7.2mm	-20°C / +80°C		●	
07*	PVC/PVC	CEI2022 II F.R.O.R. SHIELDED	Grey RAL7032	1mm ²	3	ø7.2mm	-20°C / +80°C		●	
A7*	PVC/PVC	CEI2022 II F.R.O.R. SHIELDED	Grey RAL7032	1mm ²	2	ø6.7mm	-20°C / +80°C		●	
B7*	PVC/PVC	CEI2022 II F.R.O.R. SHIELDED	Grey RAL7032	1mm ²	4	ø8.3mm	-20°C / +80°C		●	
08*	PUR/PVC		Black	0.50mm ²	3	ø5mm	-40°C / +80°C		●	●
A8*	PUR/PVC		Black	0.50mm ²	2	ø5mm	-40°C / +80°C		●	●
B8*	PUR/PVC		Black	0.50mm ²	4	ø6mm	-40°C / +80°C		●	●
C8*	PUR/PVC		Black	0.50mm ²	5	ø6.5mm	-40°C / +80°C		●	
09*	PUR/PVC		Black	0.75mm ²	3	ø6mm	-40°C / +80°C		●	
A9	PUR/PVC		Black	0.75mm ²	2	ø5.2mm	-40°C / +80°C		●	
B9*	PUR/PVC		Black	0.75mm ²	4	ø7.2mm	-40°C / +80°C		●	
10*	PUR/PUR	Li-YY11Y	Black	0.50mm ²	3	ø5mm	-40°C / +80°C		●	●
AA*	PUR/PUR	Li-YY11Y	Black	0.50mm ²	2	ø5mm	-40°C / +80°C		●	●
AB*	PUR/PUR	Li-YY11Y	Black	0.50mm ²	4	ø6.7mm	-40°C / +80°C		●	●
11*	PUR/PUR	Li-YY11Y	Black	0.75mm ²	3	ø6mm	-40°C / +80°C		●	
BA*	PUR/PUR	Li-YY11Y	Black	0.75mm ²	2	ø6.5mm	-40°C / +80°C		●	
BB*	PUR/PUR	Li-YY11Y	Black	0.75mm ²	4	ø7mm	-40°C / +80°C		●	
13*	PVC/PVC	IEC332-1 H05VVF	Black	1mm ²	2	ø6mm	-20°C / +80°C		●	
14*	PVC/PVC	CEI2022 II F.R.O.R.	Black	1mm ²	3	ø6.7mm	-20°C / +80°C		●	
16	PVC/PVC	 UL style 21179	Black	18 AWG	3	ø5.8mm	-20°C / +105°C	●	●	
18	PVC/PVC	 UL style 21179	Black	18 AWG	4	ø6.5mm	-20°C / +105°C	●	●	

* = Cables with minimum quantity required.

CABLES LIST

Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C	M8	M12	M9	M8 cULus	M12 cULus
K	PVC/PVC	CEI2022	Black	0.14mm ²	3 *	ø2.6mm	-20°C / +80°C	●	●			
					6	ø4.9mm	-20°C / +80°C	●				
					8	ø4.9mm	-20°C / +80°C	●				
					12	ø6.5mm	-20°C / +80°C		●			
A	PVC/PVC	CEI2022	Black	0.25mm ²	2 *	ø3.5mm	-20°C / +80°C	●	●			
					3	ø 4mm	-20°C / +80°C	●	●			
					4	ø 4.4mm	-20°C / +80°C	●	●			
					5	ø 4.7mm	-20°C / +80°C		●			
S	PVC/PVC	ULstyle21179	Black	AWG24 (0.25mm ²)	8	ø 6mm	-20°C / +80°C		●			
					2 *	n.a.	-20°C / +105°C	●	●			
					3	n.a.	-20°C / +105°C	●	●		●	●
					4	ø 4.3mm	-20°C / +105°C	●	●		●	●
B	PVC/PVC	CEI2022	Black	0.34mm ²	5	ø 5mm	-20°C / +105°C	●	●			
					8	n.a.	-20°C / +105°C	●	●			
					2 *	ø 4.8mm	-20°C / +80°C	●	●			
					3 *	ø 4.8mm	-20°C / +80°C	●	●			
I	PVC/PVC	ULstyle 21179	Black	AWG 22 (0.34mm ²)	4	ø 5.2mm	-20°C / +80°C	●	●			
					5 *	ø 5.5mm	-20°C / +80°C		●			
					8	ø 6.5mm	-20°C / +80°C		●			
					2 *	n.a.	-20°C / +105°C	●	●			
N	PVC/PVC	CEI2022	Grey RAL7032	0.25mm ²	3 *	ø4.8mm	-20°C / +105°C	●	●		●	●
					4 *	ø5.2mm	-20°C / +105°C	●	●		●	●
					5 *	ø5.8mm	-20°C / +105°C		●	●		●
					8 *	ø6.5mm	-20°C / +105°C		●			●
L	PVC/PVC	CEI2022	Grey RAL7032	0.34mm ²	2	ø3.5mm	-20°C / +80°C	●	●			
					3	ø 4mm	-20°C / +80°C	●	●			
					4	ø 4.4mm	-20°C / +80°C	●	●			
					5 *	ø 4.7mm	-20°C / +80°C		●			
H	PUR/PUR	CEI2022	Black	0.14mm ²	8 *	ø 6mm	-20°C / +80°C		●			
					2 *	ø 4.8mm	-20°C / +80°C	●	●			
					3	ø 4.8mm	-20°C / +80°C	●	●			
					4	ø 5.2mm	-20°C / +80°C	●	●			
H	PUR/PUR		Black	0.14mm ²	5	ø 5.5mm	-20°C / +80°C		●			
					8 *	ø 6.5mm	-20°C / +80°C		●			
					3 *	ø2.6mm	-40°C / +80°C	●	●			
					6	ø4.9mm	-40°C / +80°C	●				
H	PUR/PUR		Black	0.14mm ²	8	ø4.9mm	-40°C / +80°C	●				
					12 *	ø6mm	-40°C / +80°C		●			

Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C	M8	M12	M9	M8 	M12 
C	PUR/PUR		Black	0.25mm ²	2 *	ø 3.5mm	-40°C / +80°C	●	●			
					3 *	ø 4mm	-40°C / +80°C	●	●			
					4 *	ø 4.4mm	-40°C / +80°C	●	●			
					5 *	ø 4.7mm	-40°C / +80°C		●			
					8 *	ø 6mm	-40°C / +80°C		●			
C-K6-IS	PUR/TPO	 ULstyle 21576 	Black	24AWG (0.25mm ²)	3	ø4.1mm	-40°C / +80°C	●	●		●	
					4	ø4.7mm	-40°C / +80°C	●	●		●	
					5	ø5.1mm	-40°C / +80°C		●			
					8	ø6.3mm	-40°C / +80°C		●			●
D	PUR/PUR		Black	0.34mm ²	2 *	ø 4.8mm	-40°C / +80°C					
					3 *	ø 4.8mm	-40°C / +80°C	●	●			
					4 *	ø 5.2mm	-40°C / +80°C		●			
					5 *	ø 5.5mm	-40°C / +80°C		●			
					8 *	ø 6.5mm	-40°C / +80°C		●			
D-K6-IS	PUR/TPO	 ULstyle 21576 	Black	AWG 22 (0.34mm ²)	3	ø4.6mm	-40°C / +80°C	●	●		●	
					4	ø4.8mm	-40°C / +80°C	●	●		●	●
					5	ø5.3mm	-40°C / +80°C		●			●
J	PVC/PVC	CEI2022 SHIELDED		0.25mm ²	2 *	n.a.	-20°C / +80°C	●	●			
					3 *	n.a.	-20°C / +80°C	●	●			
					4 *	ø4.8mm	-20°C / +80°C	●	●			
					5 *	ø5.2mm	-20°C / +80°C		●	●		
					8 *	ø6.5mm	-20°C / +80°C		●			
P	PVC/PVC	 ULstyle 21576 SHIELDED 	Black	AWG 24 (0.25mm ²)	2 *	n.a.	-20°C / +105°C	●	●			
					3 *	n.a.	-20°C / +105°C	●	●			
					4 *	n.a.	-20°C / +105°C	●	●			
					5 *	n.a.	-20°C / +105°C	●	●			
					8 *	n.a.	-20°C / +105°C		●			●
F	PVC/PVC	CEI2022 SHIELDED		0.34mm ²	2 *	n.a.	-20°C / +80°C	●	●			
					3 *	n.a.	-20°C / +80°C	●	●			
					4 *	ø5.5mm	-20°C / +80°C	●	●			
					5 *	ø6mm	-20°C / +80°C		●			
					8 *	n.a.	-20°C / +80°C		●			
3	PVC/PVC	 ULstyle 21576 SHIELDED 	Black	AWG 22 (0.34mm ²)	2 *	n.a.	-20°C / +105°C	●	●			
					3 *	n.a.	-20°C / +105°C	●	●			●
					4 *	n.a.	-20°C / +105°C	●	●			●
					5 *	n.a.	-20°C / +105°C		●			●
					8 *	n.a.	-20°C / +105°C		●			

CABLES LIST

Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C	M8	M12	M9	M8 c.UL	M12 c.UL
Q	PVC/PVC	CEI2022 SHIELDED 	Grey RAL7032	0.25mm ²	2 *	n.a.	-20°C / +80°C	●	●			
					3 *	n.a.	-20°C / +80°C	●	●			
					4	ø4.8mm	-20°C / +80°C	●	●			
					5 *	ø5.2mm	-20°C / +80°C		●	●		
					8 *	n.a.	-20°C / +80°C		●			
R	PVC/PVC	CEI2022 SHIELDED 	Grey RAL7032	0.34mm ²	2 *	n.a.	-20°C / +80°C	●	●			
					3 *	n.a.	-20°C / +80°C	●	●			
					4 *	ø5.5mm	-20°C / +80°C	●	●			
					5 *	ø6mm	-20°C / +80°C		●	●		
					8 *	n.a.	-20°C / +80°C		●			
U	PUR/PUR	SHIELDED 	Black	0.25mm ²	2 *	n.a.	-40°C / +80°C	●	●			
					3 *	ø4.4mm	-40°C / +80°C	●	●			
					4	ø4.8mm	-40°C / +80°C	●	●			
					5 *	ø5.2mm	-40°C / +80°C		●	●		
					8	n.a.	-40°C / +80°C		●			
48-K6	PUR/TPO	 ULstyle 21576 SHIELDED 	Black	AWG 24 (0.25mm ²)	8	ø7mm	-40°C / +80°C		●			●
G	PUR/PUR	SHIELDED 	Black	0.34mm ²	2 *	n.a.	-40°C / +80°C	●	●			
					3 *	ø4.8mm	-40°C / +80°C	●	●			
					4 *	ø5.5mm	-40°C / +80°C	●	●			
					5 *	ø6mm	-40°C / +80°C		●	●		
					8 *	n.a.	-40°C / +80°C		●			
G-K6-IS	PUR/TPO	 ULstyle 21576 SHIELDED 	Black	AWG 22 (0.34mm ²)	5	ø5.4mm	-40°C / +80°C		●	●		●

"PROFIBUS" CE ([1x2x0,25]) mm² IEC 60332-1  ([1x2x24]) AWG



Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C	M8	M12	M9	M8 c.UL	M12 c.UL
T-4-K6-IS	PUR / Polyolefin	 ULstyle 444 SHIELDED 	Violet RAL4001 Desina	AWG 24 (0.25mm ²)	1 x 2	ø8.2mm	-30°C / +70°C		●			●

 AWM STYLE 2464 80°C 300V - AWM I/II A/B 80°C 300V FT1 - CONTROL DATABUST - Devicenet - O.R. FEST [(2xAWG24)H(2xAWG22)H]H2 - CE



Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C	M8	M12	M9	M8 c.UL	M12 c.UL
21-4	PVC / Polyolefin	 ULstyle 2464 SHIELDED DEVICENET 	Violet RAL4001 Desina	AWG 24 AWG 22	1x 2+1 x 2	ø7mm	-30°C / +80°C		●			●

1x4xAWG22  AWM style 21576 - AWM I/II A/B 80°C 1000V 0 FT-2 EM

PROFINET

Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C	M8	M12	M9	M8 	M12 
40-4-K6	PUR/ Polyolefin	 ULstyle 21576 SHIELDED PROFINET		Green RAL6018	AWG 22 (0.34mm ²)	4	ø6.7mm	-30°C / +80°C		●		

 - AWM STYLE 20236 80°C 30V - AWM I/II A/B 80°C 30V FT1 - ETHERNET CABLE CAT.6 - O.R. PMXX-ST (4x2xAWG26)H/H2

ETHERNET

Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C	M8	M12	M9	M8 	M12 
71-8-K6	PUR / Polyolefin	 ULstyle 20236 SHIELDED ETHERNET CAT.5E		Green RAL6016	AWG 26 (0.14mm ²)	4 x 2	ø7.2mm	-30°C / +70°C		●		

1x4xAWG22  AWM style 21576 - AWM I/II A/B 80°C 1000V 0 FT-2 EM

ETHERNET

Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C	M8	M12	M9	M8 	M12 
66-4-K6	PUR/ Polyolefin	 ULstyle 21576 SHIELDED ETHERNET		Green RAL6016	AWG 24 (0.25mm ²)	2+2	ø6mm	-30°C / +80°C		●		●

• CABLE OF M12 POWER CONNECTORS K-CODED / S-CODED :

4G1,5/4xAWG16  AWM style 20234 - AWM I/II A/B 80°C 1000V FT1

Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C	M12 K-code	M12 L-code	M12 S-code	M12 S-code 
81-4-K6	PUR / Polyolefin	 ULstyle 20234 SHIELDED		Orange RAL2003 Desina	AWG 16 (1.5mm ²)	4 *	ø8.6mm	-30°C / +80°C	●		●
46	PVC/PVC	CEI2022	Black	1.50mm ²	4 *	ø10mm	-20°C / +80°C	●		●	
					5 *	ø10mm	-20°C / +80°C	●		●	
70-5	PVC/PVC	CEI2022	Black	1.50mm ²	5 *	ø10.40mm	-20°C / +80°C		●		
35	PVC/PVC	CEI2022		Black	1.50mm ²	4 *	ø10mm	-20°C / +80°C	●		●
					5 *	ø10.40mm	-20°C / +80°C	●		●	
73-5	PVC/PVC	CEI2022		Black	1.50mm ²	5 *	ø10.40mm	-20°C / +80°C		●	
53	PUR/PUR		Black	1.50mm ²	4 *	ø10mm	-40°C / +80°C	●		●	
					5 *	ø10mm	-40°C / +80°C	●		●	
54	PUR/PUR	SHIELDED		Black	1.50mm ²	4 *	ø10mm	-40°C / +80°C	●		●
					5 *	ø10.40mm	-40°C / +80°C	●		●	

CABLES LIST

• CABLE OF M8 DISTRIBUTION BOXES :

Code	Material	Type of cable	Colour	Section	No.core	Cable $\varnothing$ mm ± 0.3	Temperature range °C	BOX SINGLE SIGNAL				
								4 POS.	6 POS.	8 POS.	10 POS.	12 POS.
V-2+8	PVC /PVC	CEI2022II O.R.	Black	2x0.50mm ² 8x0.25mm ²	2+8	ø9mm	-20°C / +80°C	●	●	●		
V-2+12	PVC /PVC	CEI2022II O.R.	Black	2x0.50mm ² 12x0.25mm ²	2+12	ø10mm	-20°C / +80°C				●	●
D-2+6-K6	PUR /PUR	 ULstyle 21576 	Black	2x20AWG 6x22AWG	2+6	ø7,50mm	-40°C / +80°C	●	●			
D-2+10-K6	PUR /PUR	 ULstyle 21576 	Black	2x20AWG 10x22AWG	2+10	ø8,50mm	-40°C / +80°C			●	●	
P-2+8	PUR /PUR		Black	2x0.50mm ² 8x0.25mm ²	2+8	ø9mm	-40°C / +80°C	●	●	●		
P-2+12	PUR /PUR		Black	2x0.50mm ² 12x0.25mm ²	2+12	ø10mm	-40°C / +80°C				●	●

• CABLE OF M12 DISTRIBUTION BOXES :

Code	Material	Type of cable	Colour	Section	No.core	Cable $\varnothing$ mm ± 0.3	Temperature range °C	BOX SINGLE SIGNAL			BOX DOUBLE SIGNAL		
								4 POS.	6 POS.	8 POS.	4 POS.	6 POS.	8 POS.
V-3+8	PVC /PVC	CEI2022II O.R.	Black	3G0.75mm ² 8x0.34mm ²	3+8	ø8.80mm	-20°C / +80°C	●	●	●	●		
V-3+16	PVC /PVC	CEI2022II O.R.	Black	3G0.75mm ² 16x0.34mm ²	3+16	ø10.60mm	-20°C / +80°C					●	●
P-3+8-K6-IS	PUR /TPO	 ULstyle 20549 	Black	3G18AWG 8x22AWG	3+8	ø8.80mm	-40°C / +80°C	●	●	●	●		
P-3+16-K6-IS	PUR /TPO	 ULstyle 20549 	Black	3G18AWG 8x22AWG	3+16	ø10.60mm	-40°C / +80°C					●	●

* = Cables with minimum quantity required.