

# ZC2000-0000-0021 | Splitter cable, for XPlanar tile APS4322-0000-0000, 2 x 2 layout, PVC, fixed installation



M12, socket, angled, female, 5-pin (4+PE), K-coded – M12, socket, angled, female, 5-pin (4+PE), K-coded – open end, 5-wire – M12, socket, angled, female, 5-pin (4+PE), K-coded – M12, socket, angled, female, 5-pin (4+PE), K-coded



## Plugs

Electrical data	Head A	Head B	Head C	Head E	Head F
Rated voltage	630 V AC/DC (according to IEC 61076-2-111)	630 V AC/DC (according to IEC 61076-2-111)	-	630 V AC/DC (according to IEC 61076-2-111)	630 V AC/DC (according to IEC 61076-2-111)
Rated current	12 A at 40 °C (according to IEC 61076-2-111)	12 A at 40 °C (according to IEC 61076-2-111)	-	12 A at 40 °C (according to IEC 61076-2-111)	12 A at 40 °C (according to IEC 61076-2-111)
Rated impulse voltage	6.0 kV	6.0 kV	-	6.0 kV	6.0 kV
Shielding	no	no	-	no	no
Insulation resistance	≥ 100 GΩ (according to IEC 60512)	≥ 100 GΩ (according to IEC 60512)	-	≥ 100 GΩ (according to IEC 60512)	≥ 100 GΩ (according to IEC 60512)

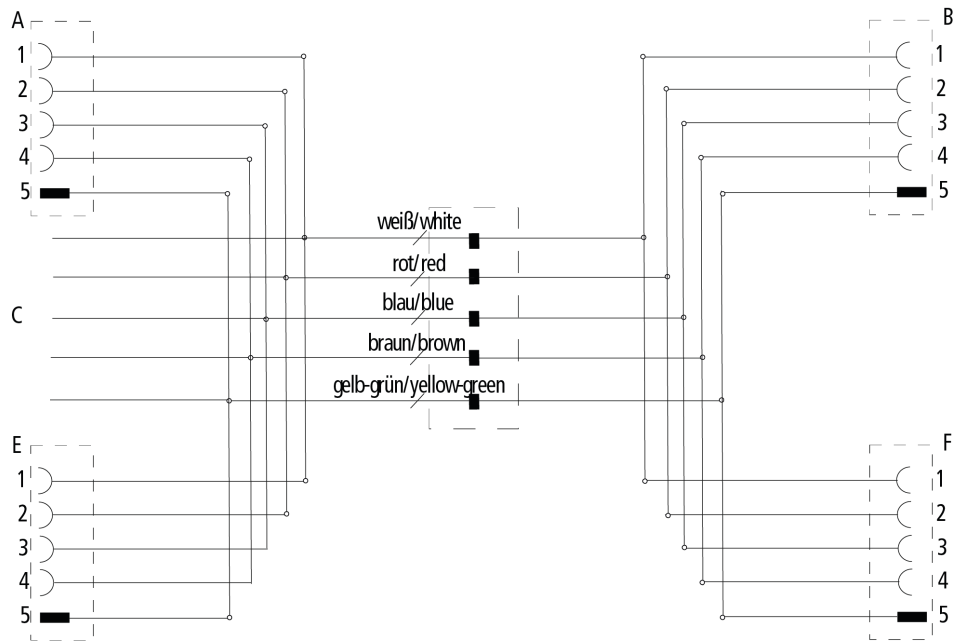
Mechanical data					
Accessories type	Coupling	Coupling	-	Coupling	Coupling
Installation size	M12	M12	open end	M12	M12
Connector type	socket	socket	-	socket	socket
Configuration	angled	angled	-	angled	angled
Contact type	female	female	-	female	female
Number of positions (face)	5-pin (4+PE)	5-pin (4+PE)	5-wire	5-pin (4+PE)	5-pin (4+PE)
Coding	K-coded	K-coded	-	K-coded	K-coded
Wire termination	screw connection	screw connection	-	screw connection	screw connection
Recommended torque, nut	0.6 Nm	0.6 Nm	-	0.6 Nm	0.6 Nm
Mating cycles	≥ 100	≥ 100	-	≥ 100	≥ 100
Way of locking	screw	screw	-	screw	screw
Body color	black	black	-	black	black
Body material	PA	PA	-	PA	PA
Coupling nut material	PA	PA	-	PA	PA
Contact carrier color	black	black	-	black	black
Contact carrier material	PA, UL 94 V-0	PA, UL 94 V-0	-	PA, UL 94 V-0	PA, UL 94 V-0
Contact plating	Au	Au	-	Au	Au
Contact material	CuZn	CuZn	-	CuZn	CuZn
Max. wire cross-section	AWG16 (1.5 mm <sup>2</sup> ) with wire end ferrule, AWG14 (2.5 mm <sup>2</sup> ) without wire end ferrule	AWG16 (1.5 mm <sup>2</sup> ) with wire end ferrule, AWG14 (2.5 mm <sup>2</sup> ) without wire end ferrule	-	AWG16 (1.5 mm <sup>2</sup> ) with wire end ferrule, AWG14 (2.5 mm <sup>2</sup> ) without wire end ferrule	AWG16 (1.5 mm <sup>2</sup> ) with wire end ferrule, AWG14 (2.5 mm <sup>2</sup> ) without wire end ferrule
Max. cable outer diameter	8.0...13.0 mm	8.0...13.0 mm	-	8.0...13.0 mm	8.0...13.0 mm
Environmental data					
Special features	It is possible to turn and fix the contact carrier in 5 different 72° positions	It is possible to turn and fix the contact carrier in 5 different 72° positions	-	It is possible to turn and fix the contact carrier in 5 different 72° positions	It is possible to turn and fix the contact carrier in 5 different 72° positions
Ambient temperature (operation)	-40...+85 °C, -40...+185 °F	-40...+85 °C, -40...+185 °F	-	-40...+85 °C, -40...+185 °F	-40...+85 °C, -40...+185 °F
Protection rating	IP67 in screwed condition (according to IEC 60529)	IP67 in screwed condition (according to IEC 60529)	-	IP67 in screwed condition (according to IEC 60529)	IP67 in screwed condition (according to IEC 60529)
Pollution level	3	3	-	3	3

Application Note	Robust and high power transmission up to 12 A and 630 V for AC and DC applications	Robust and high power transmission up to 12 A and 630 V for AC and DC applications	Robust and high power transmission up to 12 A and 630 V for AC and DC applications	Robust and high power transmission up to 12 A and 630 V for AC and DC applications
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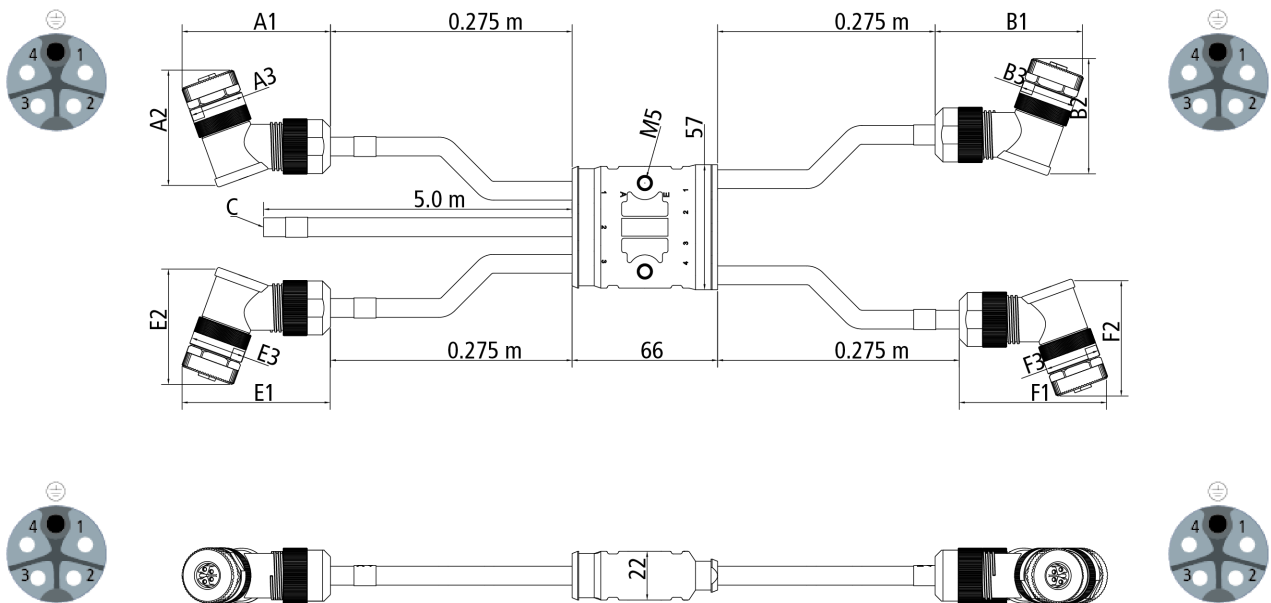
## Cable

Electrical data	
Rated voltage	300 V (according to UL 758/1581)
Wire resistance (power)	1.50 mm <sup>2</sup> : ≤ 13.3 Ω/km, 0.75 mm <sup>2</sup> : ≤ 26.0 Ω/km
Test voltage	4000 V
Mechanical data	
Conductor construction (power)	1.50 mm <sup>2</sup> : 84 x 0.15 mm, 0.75 mm <sup>2</sup> : 42 x 0.15 mm
Cross-section	2 x 0.75 mm <sup>2</sup> (AWG18) + 3 x 1.5 mm <sup>2</sup> (AWG16)
Min. bending radius, moved	12 x outer cable diameter
Min. bending radius, fixed installation	5 x outer cable diameter
Outer cable diameter	8.5 mm ± 0.2 mm (0.3346" ± 0.0079")
Shielding	no
Use	fixed installation
UL-Style	1731
Jacket color	black
Material jacket	PVC (polyvinyl chloride)
Wire color code	1.50 mm <sup>2</sup> : brown, blue, green/yellow 0.75 mm <sup>2</sup> : white, red
Wire insulation material	PVC (polyvinyl chloride)
Environmental data	
Operation temperature range, moved	-5...+105 °C, 23...+221 °F
Operation temperature range, fixed installation	-30...+105 °C, -22...+221 °F
RoHS compliant	yes
Application Note	This cable is used for the various XPlanar splitter cables to supply power to the XPlanar tiles APS4322-0000-0000 in the 2 x 2, 2 x 3 or 1 x 6 layout.

Contact assembly	
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Dimensions



A1	67.0 mm
A2	49.0 mm
A3	25.0 mm
B1	67.0 mm
B2	49.0 mm
B3	25.0 mm
E1	67.0 mm
E2	49.0 mm
E3	25.0 mm

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F1	67.0 mm
F2	49.0 mm
F3	25.0 mm

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## Notes

- The following length tolerances apply: 2-3 %
- Illustrations similar

Ordering information	Length
ZC2000-0000-0021	4 x 0.275 m

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