

Industrial Ethernet Cables Profinet



PN 654 Profinet type A, for fixed installation

PN 660 Profinet type B, for flexible applications

PN 655 Profinet type A, for fixed installation UL recognition

PN 661 Profinet type B, for flexible applications UL recognition

PN 661 B 2x2x22AWG AWM Style 21080 80° 300V



Marking for PN 661 06612202:

SAB BRÜCKSKES · D-VIERSEN · S PN 661 Profinet CAT 5 Typ B 2x2x22AWG AWM Style 21080 80° 300V

Construction:	PN 654 Profinet type A <i>fixed laying</i>	PN 660 Profinet type B <i>flexible</i>	PN 655 Profinet type A <i>fixed laying</i>	PN 661 Profinet type B <i>flexible</i>
Dimensions:	2 x 2 x 22 AWG			
Conductor:	bare copper wire	bare copper strands, fine wires with reference to VDE 0812	bare copper wire	bare copper strands, fine wires with reference to VDE 0812
Insulation:	PE, L/MD acc. to EN 50290-2-23			
Colour code:	blue, yellow, white, orange			
Stranding:	in layers			
Wrapping:	PETP foil			
Inner sheath:	---	thermoplastic material	---	thermoplastic material
Wrapping:	---	alu foil	---	alu foil
Screen:	tinned copper braiding			
Wrapping:	---	non-woven tape	---	non-woven tape
Sheath material:	PVC	SABIX®	PVC	SABIX®
Sheath colour:	green (similar RAL 6018)			

E
37

Technical data:	PN 654 Profinet type A <i>fixed laying</i>	PN 660 Profinet type B <i>flexible</i>	PN 655 Profinet type A <i>fixed laying</i>	PN 661 Profinet type B <i>flexible</i>
Item numbers:	0654-2202	0660-2202	0655-2202	0661-2202
Peak operating voltage:	max. 350 V			
Voltage UL:	---		300 V	
Testing voltage core/core: core/screen:	1500 V 1200 V		2000 V 2000 V	
Min. bending radius fixed laying: flexible application:	5 x d	5 x d 12 x d	5 x d	5 x d 12 x d
Temperature range VDE fixed laying: flexible application:	-30/+70 °C -5/+70 °C	-30/+70 °C -20/+70 °C	UL: up to +80 °C -30/+70 °C -5/+70 °C	UL: up to +75 °C -40/+70 °C -30/+70 °C
Halogen-free:	---	acc. to IEC 60754-1 + VDE 0482-754-1	---	acc. to IEC 60754-1 + VDE 0482-754-1
Oil resistance:	acc. to internal standard see chapter N „Technical data“	---	acc. to internal standard see chapter N „Technical data“	---
Characteristic impedance:	100Ω ± 5Ω, accomplishes the electrical and transmission requirements with high frequency acc. to EN 50288-2-2 + VDE 0819-2-2 (CAT 5 acc. to EN 50173-1)			
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical Data“			

item no.	type	no. of conductors	cross section AWG	max. core-ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈kg/km	ohmic resistance at 20°C acc. to VDE 0812 max.Ω/km
06542202	PN 654	4	22	1,55	5,3	28,0	43	58,0
06602202	PN 660	4	22	1,55	6,6	36,2	67	58,0
06552202	PN 655	4	22	1,55	5,9	30,4	51	58,0
06612202	PN 661	4	22	1,55	6,6	36,2	70	58,0

Other dimensions and colours are possible on request.