

Industrial Ethernet cables Profinet

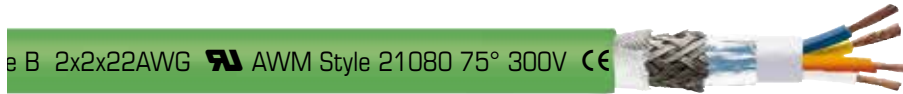


PN 654 PVC Profinet cable type A for fixed installation

PN 660 halogen-free Profinet cable type B for flexible applications

PN 654 UL PVC Profinet cable type A for fixed installation with UL recognition

PN 661 halogen-free Profinet cable type B for flexible applications with UL recognition



marking example:

SAB BRÖCKSKES · D-VIERSEN · PN 661 Profinet CAT 5 type B 2x2x22AWG AWM Style 21080 75° 300V CE

with „Fast Connect“ construction

Construction:	PN 654 Profinet type A fixed laying	PN 654 UL Profinet type A fixed laying	PN 660 Profinet type B flexible	PN 661 Profinet type B flexible
Dimension:	2 x 2 x 22 AWG			
Conductor:	bare copper wire		PE, L/MD acc. to EN 50290-2-23	
Insulation:	PE, L/MD acc. to EN 50290-2-23	SABIX®	fine wires	
Colour code:	blue, yellow, white, orange			
Stranding:	star quad			
Wrapping:	PETP-foil			
Inner sheath:	—	PVC	thermoplastic material	
Screen:	tinned copper braiding	—	alu foil and tinned copper braiding	
Wrapping:	—		non-woven tape	
Sheath material:	PVC		SABIX®	
Sheath colour:	green (similar RAL 6018)			

Technical data:	PN 654 Profinet type A fixed laying	PN 654 UL Profinet type A fixed laying	PN 660 Profinet type B flexible	PN 661 Profinet type B flexible
Item number:	0654-2202	0654-9002	0660-2202	0661-2202
Peak operating voltage:	max. 350 V			
Voltage UL:	—	300 V	—	300 V
Testing voltage core/core:	1500 V	2000 V	1500 V	2000 V
Testing voltage core/screen:	1200 V	2000 V	1200 V	2000 V
Min. bending radius fixed laying:	5 x d		5 x d	
Min. bending radius flexible application:	—		12 x d	
Temperature range fixed laying:	-30/+70 °C	UL: up to +80 °C -30/+70 °C	-30/+70 °C	UL: up to +75 °C -40/+70 °C
Temperature range flexible application:	-5/+70 °C	-5/+70 °C	-20/+70 °C	-30/+70 °C
Halogen-free:	—		acc. to IEC 60754-1 + VDE 0482-754-1	
Oil resistance:	acc. to internal standard, see chapter N „Technical data“		—	
Characteristic impedance:	100Ω ± 50, fulfils 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)			
UL Style:	—	2464	—	21080
Application:	suitable for EtherCAT and EtherNET/IP applications			
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“			

item no.	type	dimension	max. core-ø mm	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km	ohmic resistance at 20°C acc. to VDE 0812 max. Ω/km
06542202	PN 654	2 x 2 x 22 AWG	1,55	5,3	28,0	43	54,1
06549002	PN 654 UL	2 x 2 x 22 AWG	1,55	6,5	32,2	66	54,1
06602202	PN 660	2 x 2 x 22 AWG	1,55	6,6	36,2	67	55,4
06612202	PN 661	2 x 2 x 22 AWG	1,55	6,6	36,2	70	55,4

Other dimensions and colours are possible on request.



Customized plug-and-play solutions from cable manufacturing to customized cable assembly from a single source