

**PS-GG45™ patch cords**

Measurement / Patch cord PS-GG45 7<sub>A</sub> 1000 MHz 4P, shielded  
 Adapter patch cords PS-GG45 7<sub>A</sub> / RJ45 4P, shielded



Measurement/patch cord 1000 MHz 4P  
 PS-GG45 7<sub>A</sub> / PS-GG45 7<sub>A</sub>



Adapter patch cord 4P  
 PS-GG45 7<sub>A</sub> / RJ45

## PRODUCT INFORMATION

### APPLICATION

#### Measurement / Patch cord PS-GG45 7<sub>A</sub> 1000 MHz 4P, shielded

Patch cords with PS-GG45 7<sub>A</sub> plugs allow for Class F<sub>A</sub> compliant cabling systems (up to 1000 MHz) and for Class F installations (up to 600 MHz). The PS-GG45 7<sub>A</sub> plug uses only 4 x 2 contacts in the top and bottom corners of the PS-GG45 7<sub>A</sub> module, whereby best NEXT und RL values can be achieved. The unused contacts will be connected through a switch to ground. Measurement cords with PS-GG45 7<sub>A</sub> plugs are primarily needed for acceptance testings.

#### Adapter patch cords PS-GG45 7<sub>A</sub> / RJ45 4P, shielded

As PS-GG45 7<sub>A</sub> plugs are not compatible with RJ45 jacks, the RJ45 jacks in active devices can be connected to the high-performance cabling system with adapter patch cords only. These flex cables are fitted with a PS-GG45 7<sub>A</sub> plug on one side and a RJ45 plug on the other side.

#### Future viability

GG45 cabling systems that use standard patch cords (RJ45/RJ45) provide enough electrical reserve capacities for 10-gigabit Ethernet applications (10GBase-T).

When deploying adapter patch cords with one RJ45 and one PS-GG45 plug you can achieve more than 1000 times better reserve capacities in the Channel.

These reserve capacities are large enough also for the transmission of future applications in Class F<sub>A</sub> cabling systems up to 1000 MHz (e. g. 40-gigabit Ethernet).

### APPLICABLE STANDARDS

IEC 60603-7- (RJ45)  
 IEC 60076-3-110 (GG45, not backward compatible with RJ45)  
 ISO/IEC 11801:2002/Amd.1:2008 and Amd.2:2010 (Class F<sub>A</sub>)  
 EN 50173-1:2011

Article No.	Length	Description	Plug 1 / plug 2	Cable	Colour	Wiring
400 120	2 m	Measurement/Patch cord 1000 MHz 4P	GG45 7 <sub>A</sub> / GG45 7 <sub>A</sub>	FRNC/LS0H <sup>1)</sup>	orange	1:1
400 121	1 m	Adapter patch cord 4P	GG45 7 <sub>A</sub> / RJ45	FRNC/LS0H	orange	1:1
400 122	2 m	Adapter patch cord 4P	GG45 7 <sub>A</sub> / RJ45	FRNC/LS0H	orange	1:1
400 123	3 m	Adapter patch cord 4P	GG45 7 <sub>A</sub> / RJ45	FRNC/LS0H	orange	1:1
400 125	5 m	Adapter patch cord 4P	GG45 7 <sub>A</sub> / RJ45	FRNC/LS0H	orange	1:1

<sup>1)</sup> FRNC/LS0H = Flame Retardant Non Corrosive / Low Smoke Zero Halogen

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