

Data sheet

6GT2891-1HN10

Product type designation

Product description

Cable for Ethernet, IE FC RJ45 / IE Push Pull

Highly flexible cable for Industrial Ethernet
SIMATIC RF600 connecting cable Ethernet L10 crossed, between
RF600 reader and PC; IP65 at RF600 reader; Length 10 m; not for
RF660



Suitability for use	Plug-in cable for connecting two Ethernet devices
Cable designation	2YY (ST) CY 2x2x0,75/1,5-100 LI GN
Wire length	10 m
Electrical data	
Number of electrical connections	2
Type of electrical connection	IE FC RJ45 / IE Push Pull
Loop resistance per length / maximum	120 mΩ/m
Operating voltage	
• maximum	100 V
Mechanical data	
Number of electrical cores	4
Design of the shield	Overlapped aluminum-clad foil, sheathed in a braided screen of tin-plated copper wires
Outer diameter	
• of cable sheath	6.5 mm
Symmetrical tolerance of the outer diameter / of cable sheath	0.2 mm

Material	
• of the wire insulation	polyethylene (PE)
• of cable sheath	PUR
Color	
• of the insulation of data wires	white, yellow, blue, orange
• of cable sheath	green
Bending radius	
• with single bend / minimum permissible	32.5 mm
• with multiple bends / minimum permissible	49 mm
• with continuous bending	100 mm
Number of bending cycles	3000000
Tensile load / maximum	150 N
Weight per length	68 kg/km

Ambient conditions

Ambient temperature	
• during operation	-25 ... +75 °C
• during storage	-25 ... +75 °C
• during transport	-25 ... +75 °C
• during installation	-10 ... +60 °C
Burning behavior	flame resistant according to UL 1685 (CSA FT 4)
Chemical resistance	
• to mineral oil	conditional resistance
• to grease	resistant
Radiological resistance / to UV radiation	resistant

Product features, product functions, product components / general

Product feature	
• halogen-free	No
• silicon-free	Yes

Standards, specifications, approvals

UL/ETL listing / 300 V Rating	Yes; c(UL)us, CMG / PLTC / Sun Res / OIL RES
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Further information / Internet-Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	https://support.industry.siemens.com/cs/ww/en/view/67384964
• to website: Industrial communication	http://www.siemens.com/ident/rfid
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAX Download Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com

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