SIEMENS

Data sheet 6XV1860-3PH30

product type designation

product description



PROFIBUS ECOFAST Hybrid Cable GP

ECOFAST Hybrid cable (data and energy wires), preferred length, assembled with ECOFAST connector and socket

PROFIBUS ECOFAST Hybrid Cable GP, 2xCu 0.64 mm, 4x Cu 1.5 mm2, Cable pre-assembled with ECOFAST plug and socket, trailable, length 3 m.

suitability for use	Hybrid cable for connection of ECOFAST stations, UL approval
cable designation	02Y (ST)C 1x2x0.65/2.56 -150 LI LIY-Z Y 4x1x1.5 VI
wire length	3 m
electrical data	
attenuation factor per length	
• at 9.6 kHz / maximum	0.003 dB/m
• at 38.4 kHz / maximum	0.004 dB/m
• at 4 MHz / maximum	0.025 dB/m
• at 16 MHz / maximum	0.049 dB/m
impedance	
• rated value	150 Ω
● at 9.6 kHz	270 Ω
● at 38.4 kHz	185 Ω
• at 3 MHz 20 MHz	150 Ω
relative symmetrical tolerance	
 of the characteristic impedance at 9.6 kHz 	10 %
 of the characteristic impedance at 38.4 kHz 	10 %
• of the characteristic impedance at 3 MHz 20 MHz	10 %
loop resistance per length / maximum	138 Ω/km
shield resistance per length / maximum	15 Ω/km
insulation resistance coefficient	20 GΩ·m
operating voltage / maximum	80 V
capacity per length / at 1 kHz	30 pF/m
operating voltage / RMS value	600 V
conductor cross section / of the power line	1.5 mm²
continuous current / of the power lines	12 A
mechanical data	
design of the shield	Overlapped aluminum-clad foil, sheathed in a braided screen of tin-plated copper wires
number of electrical cores	6
type of electrical connection / FastConnect	No
outer diameter	
 of inner conductor 	0.67 mm
 of the wire insulation 	2.56 mm
of cable sheath	11 mm
symmetrical tolerance of the outer diameter / of cable sheath	0.3 mm
material	
of the wire insulation	polyethylene (PE)

color of the insulation of data wires of the power line insulation of cable sheath violet bending radius with multiple bends / minimum permissible number of bending cycles 1000000; For use in cable carriers, for 1 million bending cycles with a bending radius of 166 mm (15k D) and an acceleration of 4.0 m/s² tensile load / maximum 300 N ### 154 kg/km ### 154 kg/km ### 154 kg/km ### 154 kg/km ### 155 kg/km ### 155 kg/km ### 156	of cable sheath	PVC	
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