INDUSTRIAL ETHERNET CAT 5E CABLES

CAT 5E (4x2xAWG26/7)C

Reference: 10553013
Country Ref.: 13-DRS26P04P-V1
EAN 13: 8054803124526

CONTACT

Market information
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Industrial Ethernet CAT5e cables with PUR jacket for dynamic applications, shielded, oil resistant, flame retardant

STANDARDS

Product UL and CSA approval

APPLICATIONS

Bus cables for dynamic applications

Normative references

UL AWM Listed 80°C 30V

Flame resistance

IEC 60332.1

Operating temp.
-20 ... 80 °C

Storage temperature, range
-40 ... 80 °C

Oil resistance
EN 50363-10-2

Flame retardant
IEC/EN 60332-1-2; FT1; UL 1581 FT1

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CHARACTERISTICS

Construction characteristics	
Conductor material	Bare copper
Insulation	Polyolefin
Insulation colour	1°: Bl + Wht/Bl; 2°: Or + Wht/Or; 3°: Grn + Wht/Grn; 4°: Brn + Wht/Brn
Taping	Aluminium / Polyester tape
Shielding	75% tinned copper braid coverage
Outer sheath	PUR
Sheath colour	Green RAL 6018
Dimensional characteristics	
Nominal outer diameter	6.6 mm
Approximate weight	42 kg/km
Copper content	21 kg/km
Electrical characteristics	
Rated Voltage Uo/U	300 V
Test voltage	1500 V
Characteristic impedance	100 Ohm
Transmission characteristics	
Attenuation at 1 MHz	3.2 dB/100m
Attenuation at 4 MHz	6.5 dB/100m
Attenuation, max. 10 MHz	9.9 dB/100m
Attenuation at 16 MHz	12.3 dB/100m
Attenuation, max. 20 MHz	13.8 dB/100m
Attenuation, max. 31.25 MHz	17.7 dB/100m
Attenuation, max. 62.5 MHz	25.7 dB/100m
Attenuation, max. 100 MHz	33.00 dB/100m
Near End Cross Talk @ 1 MHz	62 dB
Near End Cross Talk @ 4 MHz	53 dB
Near End Cross Talk @ 10 MHz	47 dB
Near End Cross Talk @ 16 MHz	44 dB
Near End Cross Talk @ 20 MHz	42 dB
Near End Cross Talk @ 31.25 MHz	40 dB
Near End Cross Talk @ 62.50 MHz	35 dB
Near End Cross Talk @ 100 MHz	32 dB
Mechanical characteristics	
Bending cycles	1 Mio.
Speed	60 m/min
Maximum acceleration	2 m/s²
Usage characteristics	
Field of application	Dynamic
Minimum dynamic operating bending radius	7.5 (xD)
Operating temperature, range	-20 ... 80 °C
Storage temperature, range	-40 ... 80 °C

Usage characteristics	
Oil resistance	EN 50363-10-2
Flame retardant	IEC/EN 60332-1-2; FT1; UL 1581 FT1