



For extremely dynamic applications MOTIONLINE® PREMIUM

STANDARDS

Product UL and CSA approval

Single twisted pair AWG 24/19 Ethernet cable: This interconnecting cable is used for the transmission of digital signals with a max. Frequency up to 600 MHz in automation application.

Transmission requirements with reference to IEC 61156-11.

Characteristics:

Polyolefin insulation, tinned copper braid and halogen free, flame retardant, oil resistant PUR sheath.

CONTACT

Market information
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Halogen free
Yes



Operating temp.
 -25 ... 80 °C



Storage temperature, range
 -5 ... 40 °C



Flame retardant
 UL 1581 FT2; IEC 60332-1-2



Oil resistance
Yes

CHARACTERISTICS

Construction characteristics

Construction type	(1x2xAWG24/19)C
Conductor material	Stranded bare copper
Insulation	Foam Skin Polymer
Lay Up	Two cores are twisted to a pair with fillers
Separator	Non-woven tape or foil permissible
Screen	Tinned copper braid, coverage ≥ 85%
Insulation colour	white, blue
Taping	Non-woven tape or foil permissible
Outer sheath	PUR
Sheath colour	Black
Halogen free	Yes

Dimensional characteristics

Outer Diameter	4.5 mm
Copper content	20 kg/km
Approximate weight	36 kg/km

Electrical characteristics

Rated Voltage U _o /U	30 V
Test voltage	500 V
Characteristic impedence	100 Ohm

Mechanical characteristics

Bending cycles	5 Mio.
Speed	300 m/min
Maximum acceleration	50 m/s ²

Usage characteristics

Field of application	Dynamic
Minimum dynamic operating bending radius	10 (xD)
Operating temperature, range	-25 ... 80 °C
Storage temperature, range	-5 ... 40 °C
Flame retardant	UL 1581 FT2; IEC 60332-1-2
Oil resistance	Yes

PRODUCT LIST

Reference	Country Ref.	Name
☎ 02YSC11Y	-	MOTIONLINE® SINGLE PAIR ETHERNET CABLE (1x2xAWG24/19)C

☎ = Make to order, 🏠 = In stock,

SELLING AND DELIVERY INFORMATION

Nexans Motionline SPE 1x2xAWG 24/19 E48408 AWM STYLE AWM II B 80°C 30V FT2 ww/jj