



Data and communication cable

TKF BUS KNX (EIB) JY(st)Y Dca

Article number: 167181

02-10-2026

Description

2 x 2 x 0,8 + 0,8 mm Green



* This image may differ from the actual product.

Trading information

Product group	Data and communication cable
Type	TKF BUS KNX (EIB) JY(st)Y Dca
Net. Weight	0,055 kg/m
Sheath marking	{Length} TKF BUS KNX (EIB) JY(st)Y Dca-s2,d2,a3 2x2x0,8+0,8 mm [-CE-] DoP: DoP0095 KEMA-KEUR {Batch}

Trade lengths

		Minimal order
Ring à 100	(167181R X 100 / 8713182424220)	20 PCE
Reel à 500	(167181H X 500/20 / 8713182424213)	4 PCE
Reel à 2000	(167181H X 2000/50 / 8713182424206)	1 PCE



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Construction characteristics

Number of cores	4
Nominal cross section conductor	0,5 mm ²
Conductor material	Copper
Conductor surface	Bare
Conductor category	Class 1 = solid
Number of stranding elements	2
Number of conductors per group	2
Lay-up cable core	2
Material core insulation	Polyvinyl chloride (PVC)
Core identification	Colour
Colour insulated wires	acc. Standard
Screen over stranding	Aluminium polyester tape
Drainwire overall screen	Tinned Copperwire CuSn
Armouring	Yes
Material outer sheath	Polyvinyl chloride (PVC), flame retardant
Colour outer sheath	Green
Cable geometry	Round



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Properties

Reaction-to-fire according to EN 13501-6: Class	Dca
Reaction-to-fire according to EN 13501-6: Smoke production	s2
Reaction-to-fire according to EN 13501-6: Flaming droplets/particles	d2
Reaction-to-fire according to EN 13501-6: Acidity	a3
UV resistant	Yes
UV protection	NEN EN 50289-4-17A
UV rating	Good / Test duration 3000 ≤ h < 6000
Diameter conductor	0,8 mm
Insulation thickness	0,32 mm
Outer sheath thickness	0,9 mm
Outer diameter approx.	6,5 mm

Technical characteristics

Min. bending radius during installation	70 mm
Min. permitted bending radius, stationary application/permanent installation	55 mm
Tensile load	100 N
Permitted cable outer temperature during assembling/handling	-5 / 50 °C
Permitted cable outer temperature after assembling without vibration	-30 / 70 °C
Transportation and storage temperature	-30 / 70 °C



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Electrical characteristics

Operating voltage	300 V
Test voltage (AC, 1 min.)	1.500 V
Test voltage (DC, 1 min.)	2.000 V
Conductor DC resistance @ 20°C	37,5 Ohm/km
Insulation resistance	100 MOhm.km
Mutual capacitance (Nominal)	100 nF/km
Mutual capacitance (maximum)	120 nF/km
L/R ratio	40 µH/Ohm
Velocity factor	67 %
Inductance	0,7 mH/km
Capacitance unbalance (K9-K12)	500 pF/500m