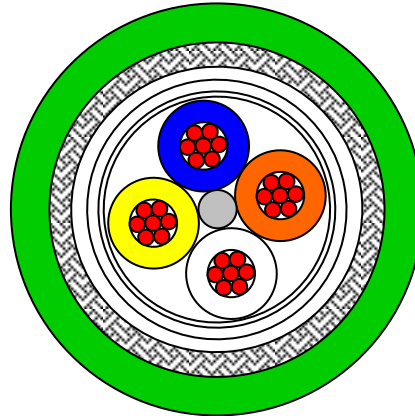


ICS IE FC FLEX 2x2xAWG22/7 Cat 5e PVC



Application

Flexible Cable

- For Industrial Ethernet
- FastConnect-Assembly
- Limited oil and grease resistance

Standards

Customer specification

Flame Resistance

IEC 60332-1

Construction

Conductor	stranded tinned copper wires, Ø 0.75 mm (AWG22/7)
Insulation	PE, Ø1.5 mm
Stranding	four cores and a central filler to a star quad
Identification	pair1: BU-WT pair2: YE-OR
Wrapping	PET-Foil
Bedding	PVC, Ø 4.0 mm
Static screen	PET-AL-Foil
Braid	tinned copper braid, coverage approx. 85%, Ø 4.7 mm
Sheath	PVC, Ø 6.5 mm
Colour	green, RAL 6018
Marking	DRAKA ICS IE FC FLEX 2x2xAWG22/7 CAT 5e PVC, batch number and meter marking

ICS IE FC FLEX 2x2xAWG22/7 Cat 5e PVC

Mechanical properties

Bending radius	single bending	≥ 20 mm
	repeated bending	≥ 50 mm
Temperature range		- 40°C to + 80°C
Transport and storage		- 40°C to + 80°C
Installation		- 20°C to + 60°C

Electrical properties

at 20°C

Loop resistance	≤ 116 Ω/km
Characteristic impedance (at 1-100 MHz)	100 Ω ± 15%
Insulation resistance	≥ 5 GΩkm
Operating voltage (RMS)	≤ 100 V

Electrical data

at 20°C

Frequency (MHz)	Coupling resistance (Ω/km)	Attenuation (dB/100m)	NEXT (dB/100m)
10	10	≤ 9.5	≥ 50
100	-	≤ 32	≥ 35

Technical data

Part number	Cable type/DIN/VDE	Product name	Weight kg/km	Standard length m	Drum size *PWD	Copper content kg/km	Tensile force N
1026692	Li-2YY(ST)CY 2x2x0.75/1.50-100 Cat. 5e	DRAKA ICS IE FC FLEX 2x2xAWG22/7 Cat 5e PVC	64	1000	600/200/310	31.5	150

*PWD (Plywood drum)

Product Code Table

Product Description	Product Code	PG Reference Code	PG Part Number
ICS IE FC INST 2x2xAWG22/1 C5e PVC	1026692	60055047	60055047

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