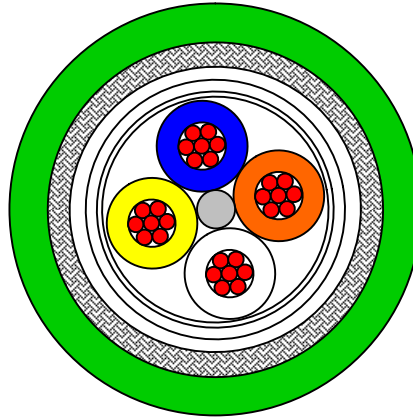


ICS IE FC FLEX 2x2xAWG22/7 Cat 5e PVC

IE FC Flexible CABLE 2x2xAWG22/7



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 PVC CAT 5e + batch number and meter marking

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

Mechanical properties

Bending radius	single bending repeated bending	≥ 20 mm ≥ 50 mm
Temperature range	Transport and storage Installation	- 40°C to + 80°C - 40°C to + 80°C - 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	≤ 5.2	≥ 50		
100	-	≤ 19.5	≥ 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
AS0114322	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)