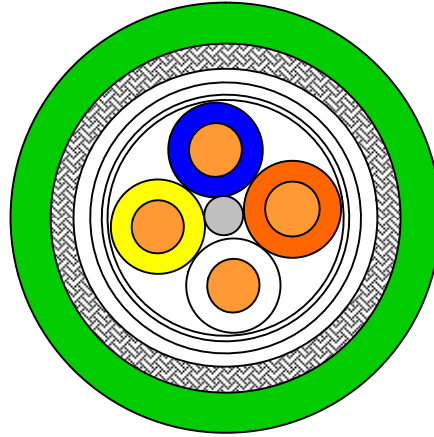


ICS IE FC INST 2x2xAWG22/1 Cat 5e PVC

IE FC Installation CABLE 2x2xAWG22/1



Application

Installation Cable for fixed installation

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

Standards

Customer specification

Flame Resistance

IEC 60332-1

Construction

Conductor	solid bare copper wire, \varnothing 0.64 mm (AWG22/1)
Insulation	PE, \varnothing 1.5 mm
Stranding	four cores and a central filler to a star quad
Identification	pair1: BU-WT, pair2: YE-OR
Wrapping	PET-Foil
Bedding	PVC, \varnothing 4.0 mm
Static screen	PET-AL-Foil
Braid	tinned copper braid, coverage approx. 85%, \varnothing 4.7 mm
Sheath	PVC, \varnothing 6.5 mm
Colour	green, RAL 6018
Marking	DRAKA ICS IE FC INST 2x2xAWG22/1 CAT 5e PVC, batch number and meter marking.

ICS IE FC INST 2x2xAWG22/1 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	$\leq 124 \Omega/\text{km}$
Characteristic impedance (at 1-100 MHz)	$100 \Omega \pm 15 \%$
Insulation resistance	$\geq 5 \text{ G}\Omega\text{km}$
Operating voltage (RMS)	$\leq 100 \text{ V}$

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
1026691	2YY(ST)CY 2x2x0.64/1.50-100 Cat. 5e	DRAKA ICS IE FC INST 2x2xAWG22/1 Cat 5e PVC	68	1000	600/200/310	30.5	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	1026691	60021860	60021860

© PRYSMIAN GROUP 2011, All Rights Reserved

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian Group: any modification or alteration afterwards of product may give different result.

The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. The information is believed to be correct at the time of issue. Prysmian Group reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorised by Prysmian Group.