



USE OF CABLE

Instrudial EtherCAT® Cables are used for real-time based EtherCAT®-Systems for fixed installation, limited flexible & high flexible application.



SPECIAL FEATURES

- HF-characteristics Cat.5e acc. to IEC 61156-6 (7- resp. 19-wired)
- FRNC: Flame Retardant, Non Corrosive
- EtherCAT® is a registered trade mark of EtherCAT® Technology Group

REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- LABS-/silicone-free (during production)
- further types and special types upon request.

PRODUCT INFORMATION

Conductor material:	Fine wired or super fine wired bare copper strand
Conductor class:	7- or 19-wired
Core insulation:	Polyolefin resp. foamed Polyolefin
Core identification:	Yellow, orange, white, blue
Shield3:	Plastic clad aluminium foil under copper braid, tinned
Outer sheath:	PVC or PUR
Sheath colour:	Green RAL 6018
Rated voltage:	125 V (not for high voltage purposes)
Loop resistance:	Max. 280,0 Ω/km
Capacity:	Nom. 48 nF/km
Characteristic impedance:	100 Ω ± 15 Ω
Transfer rate:	Up to 1.024 Mbit/s
Min. bending radius fixed:	4 x d
Min. bending radius moved:	8 x d
Operat. temp. fixed min/max:	-40 °C / +80 °C
Operat. temp. moved min/max:	-30 °C / +70 °C (PUR); -10 °C / +70 °C (PVC)
Halogen free:	Acc. to IEC 60754-1 (FRNC types)
Burning behavior:	Horizontal flame Test (UL 2556)
Resistant to oil:	PUR: IEC 60811-404
Approvals:	CURus: PUR 80 °C - 30 V; PVC: 80 °C - 300 V
Speed:	Trailing: 3 m/s
Acceleration:	Trailing: 3 m/s ²

ITEM OVERVIEW

Product No.	Dimension [n x mm ²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
2003773	2 X 2 X AWG 26/7	4,9	22,00	32,00	green	V1: INDUSTRIAL EtherCAT - Standard
2003774	2 X 2 X AWG 26/7	4,9	22,00	29,00	green	V2: INDUSTRIAL EtherCAT - Robust
2003775	2 X 2 X AWG 26/19	5,3	22,00	35,00	green	V3: INDUSTRIAL EtherCAT - Trailing