

PAARTRONIC CY-CY LIYCY-CY (TP)

Twisted pairs cable for cable drag chains with individual screened pairs and overall screen



Application

Paartronic CY-CY LIYCY-CY (TP) cable is a data transmission cable predominately for the transmission of analog and digital signals where it offers secure transmission of data and signals. It is suitable for both fixed and moving applications without tensile stresses. Suitable for use in dry and humid rooms, and for outdoor use with additional UV protection.

Construction

Conductor :	Fine stranded plain copper according to VDE 0295 Class 5
Insulation:	PVC
Core colour :	According To DIN 47100
Core Arrangement :	2 cores, twisted to a pair, shielded pairs with sheath - stranded in layers
Shield (Ind. Pairs):	Tinned copper braid, coverage minimum 85%
Inner sheath :	PVC pair sheathing over braid
Wrapping :	Plastic Foil
Overall shield :	Tinned copper braid, coverage minimum 85% with tinned drain wire
Outer Sheath :	PVC
Sheath colour :	Grey RAL 7032
Imprint :	Paartronic CY-CY LIYCY-CY (TP)

Working Environment

Maximum operating temperature in fixed application :	-30 deg C - + 80 deg C
Maximum operating temperature in mobile application :	-5 deg C - + 70 deg C
Maximum temperature at conductor :	+70 deg C
Environment :	suitable for use in dry & humid & rooms

Electrical properties

Nominal voltage :	0.14mm ² - 250/350 V >0.14mm ² - 250/500 V
Test Voltage :	0.14mm ² - 1200 V core/core & 2000 V core/shield > 0.14mm ² - 1500 V core/core & 2000 V core/shield
Conductor Resistance :	to DIN VDE 0295 Class 5

Additional information

Minimum bending radius :	< 12mm dia - 10 x d 13 - 20mm dia - 15 x d > 20mm dia - 20 x d
Flame resistance :	Self extinguishing & flame retardant acc. To IEC 60332-2-2

Applied Standards

	Similar to DIN VDE 0812, 0814 & DIN 47414
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