

Datasheet

Fine-stranded measuring cable
Flexible stranded cable, strengthened in acc. DIN VDE 0812
LiY-Toy 0,75 mm²/ 3,2mm
Acc. VDE 0812 and EN 60228 (VDE 0295) Class 5

CORE	0,75 mm ²
CONDUCTOR	24 stranded wires á 0,20 mm (max. 0,21); B acc. VDE 0812
CONDUCTOR RESISTANCE	max. 25,4 Ω /km at 20°C acc. VDE 0812
DIAMETER OF CONDUCTOR	max. 1,3 mm (\varnothing 1,2 mm)
CORES CONDUCTOR MATERIAL	Soft-annealed electrolytic copper E-CU Cu-ETP1 according to DIN EN 13602, bare
CORE INSULATION	Plastic sheath made of soft PVC Y12 according to DIN VDE 0207-4 Shore A 80 \pm 2 (PHTHALATE-FREE according to Toy Safety Directive 2009/48/EC) Soft-Automotive-PVC Y18 acc. VDE 0207-4
INSULATION DIAMETER	nom. 3.2 mm: 3.2 \pm 0.15 mm Diameter, wall thickness nom. 1.0 mm according to VDE 0812
COPPER WEIGHT	nom. 7,2 kg / 1.000m
TOTAL WEIGHT	ca. 20 kg / 1.000m
PEAK VOLTAGE	max. 3.000 V at 20°C
TEST VOLTAGE	min. 6 kV
INSULATING RESISTANCE	$>10^{13}$ Ω x cm at 20°C
TEMPERATURE RANGE	-40 to +85 °C (>3,000h) in moving +70 °C (>20,000h) moving according to VDE -50 to +85 °C (>3,000h) static
BENDING RADIUS, flexing	6 x SHEATH DIAMETER
FLAME RETARDANT	PVC self-extinguishing and flame retardant to UN ECE R118 acc. to ISO 6722-1 / VDE 0482-332-1-2, DIN EN 60332-1-2, UL 94: min. V2
MAKE-UP	e.g. Rings with 25 m
CONFORMITY	RoHS and REACH conform