

PELW

Twisted Pair (telephone cable)



Sensor and data cable, two-wire line (twisted), overcoat PE, longitudinal water tight, operating temperature - 20°C to 50°C, black.

Application	Technical details	
<ul style="list-style-type: none">Outdoor installationSuitable for direct burial into the ground	<p>Core-ID-Code: as per VDE 0816, see T 10</p> <p>Operating capacity: at 800 hz: max. 52 nF/km</p> <p>Peak operating voltage: 225 V (not for high voltage current)</p>	
Texture	<p>Impedance: at 800 hz 0.6 mm: estimated 720 Ω at 800 hz 0.8 mm: estimated 520 Ω</p> <p>Coupling: K1:98 % <400 pF/300 m K9-12:98 % < 100 pF/300 m</p>	
<ul style="list-style-type: none">Massive wire made of pure copperCore-isolation: polyethylene (PE)Per 5 star quad wired to base bundle respectively main bundle wired to corePaper bandLayered coating made of aluminum coated synthetic band and PE coatFilled with petroleum jellyImprint: telephone handset	<p>Diameter of conductor: 0.6 mm: 0,28 mm² 0.8 mm: 0,50 mm²</p> <p>Damping of conductor/ damping (outer cable): at 800 hz 0.6 mm: ca. 1.0 dB/km at 800 hz 0.6 mm: ca. 1.0 dB/km</p> <p>Min. bending radius: 10 x outer-diameter</p> <p>Testing voltage: core/core: 500 V core/shielding: 2000 V</p>	
Reference standard	<p>Grinding resistance: 0.6 mm: 130 Ω/km 0.8 mm: 73.2 Ω/km</p> <p>Operating temperature: during installation: -20 °C to 50 °C once installed: ≤ 70 °C</p>	
EMV conform		
Containment-free according to RoHS-Guideline 2002/95/EG as well as per GefStoffV		
Cable name	Outer-Ø in mm	Weight kg/km
PELW 6(12) x 0.6 mm ²	12.0 mm	140 kg/km
PELW 10(20) x 0.6 mm ²	14.0 mm	190 kg/km
PELW 20(40) x 0.6 mm ²	17.5 mm	310 kg/km
PELW 30(60) x 0.6 mm ²	20.0 mm	430 kg/km
PELW 6(12) x 0.8 mm ²	13.5 mm	195 kg/km
PELW 10(20) x 0.8 mm ²	15.5 mm	275 kg/km
PELW 20(30) x 0.8 mm ²	19.5 mm	475 kg/km
PELW 30(60) x 0.8 mm ²	22.5 mm	665 kg/km
PELW 40(80) x 0.8 mm ²	25.5 mm	860 kg/km