

PVCA

Sensor cable for indoor (or enclosed) areas, transparent, suitable for mining (special approval)



Sensor cable for indoor with shielding and double jacket PVC, transparent, operating temperature - 40°C to 80°C, VDE 7030, flame-resistant.

Application	Technical details
<ul style="list-style-type: none"> Suitable for indoor (or enclosed) areas, with shielding Outer areas not without UV-protection 	<p>Core-ID-Code: number respectively color code</p> <p>Isolation specific resistance: >20 GΩ x cm</p> <p>Conductor structure: fine wire as per VDE 0295, class 5/IEC 60228 Cl. 5</p> <p>Min. bending radius: 20 x outer-diameter, occasionally moved 6 x outer-diameter, fixed installation</p>
Characteristics	<p>Nominal voltage: U₀/U: 300/500 V</p> <p>Testing voltage: 4.000 V</p> <p>Ground wire G = with ground wire GN/GE X = without ground wire</p>
<ul style="list-style-type: none"> Flame-resistant as per IEC 60332-1-2 	<p>Operating temperature: occasionally moved -5 °C to +70 °C fixed installation: -40 °C to +80 °C</p> <p>VDE-tested: VDE Reg. No. 7030 for dimensions up and including 65 cores</p>
Texture	
<ul style="list-style-type: none"> Fine wire made of pure copper Core-isolation: PVC Inner jacket PVC, gray Braided shielding made of copper, tin-plated Overcoat made of PVC transparent Color of overcoat: pebble-gray (RAL 7032) Imprint: PVCA/GLÖTZL 	
Reference standard	
<ul style="list-style-type: none"> EMV conform VDE Reg. No. 7030 Containment-free according to RoHS-Guideline 2002/95/EG as well as per GefStoffV 	
Resistance	
<ul style="list-style-type: none"> Chemical resistance: good 	

Cable name	Outer-Ø in mm	Weight kg/km
with and without ground wire		
PVCA 3 x 0.5 mm ²	7.3 mm	83 g
PVCA 4 x 0.5 mm ²	7.9 mm	99 g
PVCA 5 x 0.5 mm ²	8.4 mm	112 g
PVCA 7 x 0.5 mm ²	8.9 mm	132 g
PVCA 12 x 0.5 mm ²	11.3 mm	202 g
only with ground wire		
PVCA 18 x 0.5 mm ²	13.3 mm	289 g
PVCA 25 x 0.5 mm ²	15.2 mm	378 g
PVCA 30 x 0.5 mm ²	16.1 mm	429 g
PVCA 40 x 0.5 mm ²	18.2 mm	542 g
PVCA 5 x 1.0 mm ²	9.5 mm	153 g
PVCA 7 x 1.0 mm ²	10,2 mm	185 g
PVCA 12 x 1.0 mm ²	13,3 mm	307 g
PVCA 18 x 1.0 mm ²	15,5 mm	418 g
PVCA 25 x 1.0 mm ²	17,5 mm	544 g