














Technical Data Sheet


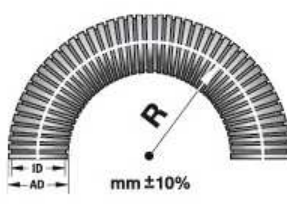






 <p>IP 68</p>	<p>Flexible conduit with CU wire braiding</p>	   	Nr.: 0461. ...
	<p>ROHRflex® PA 6-CU</p>		<p>Revision B3 Nov 2013</p>

Description	Characteristics	Unit	Value	Test
<p>Material Conduit: Plastic (PA) Braiding: Tinned copper</p> <p>Color Black</p> <p>Temperature range -40°C up to + 120°C ^...+ 150°C</p> <p>Construction Corrugated all-plastic tubing, internally and externally corrugated, with tinned copper wire braiding.</p> <p>Properties</p> <ul style="list-style-type: none"> • air- and liquid-tight • oil resistant up to 80°C • benzine resistant • widely resistant to acid and solvents • free of silicone, cadmium, halogen • flame retardant • screening factor up to 30 MHz acc. to EN 50289-1-6 	<p>Mechanical characteristics Resistance to compression* Resistance to impact* Resistance to bending* Reversed bending stresses</p>	N J Flexible	> 320 > 2 > 40,000	EN 61386-23 EN 61386-23 EN 61386-23
	<p>Thermal characteristics Temperature range Short-term</p>	°C °C	-40 ..+ 120° 150°	
	<p>Flame characteristics Free of halogen and phosphor Flame class Light emitting filament check Oxygen index</p>		Yes HB 850 34	DIN 53474 UL 94 EN 60695-2-1/0 ISO 4589-2
<p>Applications</p> <ul style="list-style-type: none"> • Machine and plant constructions • Automotive • Railway industry • Shipbuilding • Automation • Electrical installations • EMC applications 	<p>Chemical characteristics Resistance to fuels, mineral oils, fats, alkalises, acids and bases</p>			excellent
	<p>System test Pull-out resistance with FLEXAquick*</p>	N	100	EN 61386-23



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 	Flexible conduit with CU wire braiding		   	Nr.: 0461. ... Revision B3 Nov 2013
	ROHRflex® PA 6			

Dimensions						
 Fine profile				Smallest bending radius stat. > static (fixed) dyn. > dynamic		
Part No.	AD OD	 mm	 stat	 dyn	 kg/m	 m
 fine profile						
0461.702.010	13,0	10,0 x 14,0	20	45	0,125	50
0461.702.012	15,8	12,0 x 16,8	35	55	0,180	50
0461.702.016	21,2	15,5 x 22,2	45	75	0,250	50
0461.702.029	34,5	27,5 x 35,5	65	120	0,490	25
0461.702.036	42,5	35,5 x 43,5	90	150	0,590	25
0461.702.048	54,5	47,0 x 55,5	100	190	0,780	25

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