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Technical Data Sheet

IP 68

Flexible conduit with CU wire braiding

ROHRflex® PA 6-CU

Nr.: 0461. ...

Revision B3
Nov 2013

Description

Material **Conduit:** Plastic (PA)
Braiding: Tinned copper
Color Black
Temperature range
-40°C up to + 120°C ^....+ 150°C

Construction
Corrugated all-plastic tubing, internally and externally corrugated, with tinned copper wire braiding.

Properties

- 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

Applications

- Machine and plant constructions
- Automotive
- Railway industry
- Shipbuilding
- Automation
- Electrical installations
- EMC applications

Characteristics	Unit	Value	Test
Mechanical characteristics			
Resistance to compression*	N	> 320	EN 61386-23
Resistance to impact*	J	> 2	EN 61386-23
Resistance to bending*	Flexible		EN 61386-23
Reversed bending stresses		> 40,000	
Thermal characteristics			
Temperature range	°C	-40 ..+ 120°	
Short-term	°C	150°	
Flame characteristics			
Free of halogen and phosphor		Yes	DIN 53474
Flame class		HB	UL 94
Light emitting filament check	°C	850	EN 60695-2-1/0
Oxygen index	%	34	ISO 4589-2
Chemical characteristics			
Resistance to fuels, mineral oils, fats, alkalises, acids and bases		excellent	
System test			
Pull-out resistance with FLEXAquick*	N	100	EN 61386-23

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IP 6

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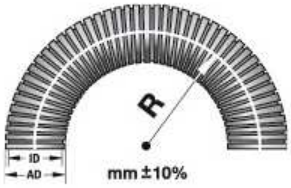
Dimensions

Fine profile



Smallest bending radius
stat. > static (fixed)
dyn. > dynamic

Part No.	AD OD					
	ø	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