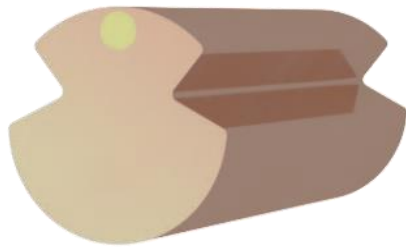


M-TEC



Railway Contact Wire

Specification: BS EN 50149

Patent: 991480

Application:

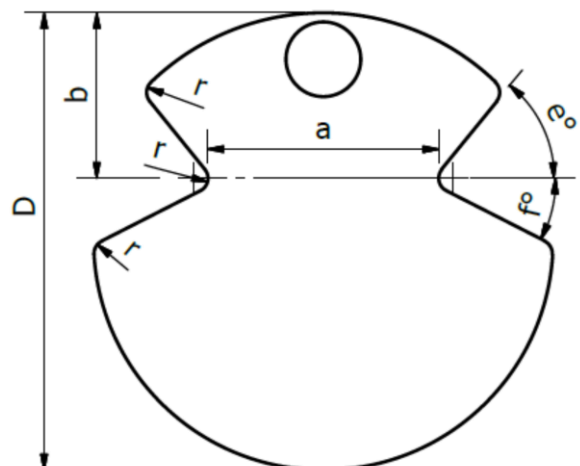
Electrification Conductor for Railway locomotives.

Construction:

Shaped solid bare copper.

Theft deterrent, a brass wire is incorporated inside the copper shaped rod.

Size	mm ² nom.	80	107	161
Electrical data				
Cross sectional tolerance	mm ²	±0.3		
Conductor mass nominal	kg/km	711	951	1 431
Gross mass (1 000m)	kg/km	761	1 001	1 481
Resistance dc @ 20 °C (Hard drawn)	Ω/km max	0.228	0.170	0.113
Mechanical data				
Pull Force (maximum)	kg	380	508	765
Breaking load (maximum)	kN	28	38	57
Elongation at break over 200mm	%	3 to 10		
Dimensional data				
Height (D) nominal	mm	10.7±0.15	12.3±0.15	15.0±0.15
Height (b) nominal	mm	1.40	4.43	5.82
Groove width (a) nominal	mm	5.54±0.15	6.92±0.15	8.50±0.15
Corner radius (r) nominal	mm	0.38	0.38	0.38
Angle (e°) nominal	°	51.1+0	51.1+1	51.1+1
Angle (f°) nominal	°	27+0	27+1	27+1
Drum dimensional data				
Flange	mm	1 650 - 2 000		
Barrel	mm	2 200		
Width	mm	900		
Conductor length	mm	3 000		



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