
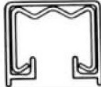
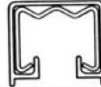
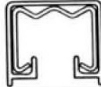


**E O T C R A N E P A R T S - B R A K E S - C R A N E A C C E S S O R I E S**

 <b>SafeTrack 1</b> <small>ISO 9001-2008 CERTIFIED</small>		<b>PIN Type Joint                      Shrouded Conductor                      Technical Data Sheet</b>								
<b>CONDUCTOR</b>		SF1-40A	SF1-100A	SF1-125A	SF1-250A	SF1-315A				
Material		Stainless Steel	Galvanised Steel		Copper					
Cross Sectional Area (Thickness)		50.4 (1mm)	50.4 (1mm)	63 (1.2mm)	50.4 (1mm)	63 (1.2mm)				
Impedence milli Ohms/M +35 °C		12.95	2.9	2.5	0.345	0.335				
DC Resistance milli Ohms/M +35 °C		12.88	2.86	2.45	0.333	0.333				
Co eff. Of Expansion / °C		1.8 x 10 <sup>-5</sup>	1.26 x 10 <sup>-5</sup>	1.26 x 10 <sup>-5</sup>	1.62 x 10 <sup>-5</sup>	1.62 x 10 <sup>-5</sup>				
Conductor Rating At +35 °C CDF 100%		40A	100A	125A	250A	315A				
	80%	43A	112A	139A	280A	352A				
	60%	46A	123A	152A	307A	385A				
	40%	50A	135A	160A	315A	400A				
Conductor Rating at 100% CDF At +35 °C		40A	100A	125A	250A	315A				
	+40 °C	40A	100A	125A	240A	300A				
	+45 °C	38A	95A	115A	225A	280A				
	+50 °C	35A	90A	110A	210A	260A				
	+55 °C	32A	80A	100A	190A	240A				
Standard Conductor Length		4 Mtrs	4 Mtrs		4 Mtrs					
Track Configuration straight / curved		1000 mm	1000 mm		1000 mm					
Bending radius minimum Horz/ Vert										
Conductor Joint		PIN JOINT	PIN JOINT		PIN JOINT					
<b>INSULATION</b>										
Standard Insulation		PVC	PVC		PVC					
System working Temperature*		80 °C	80 °C		80 °C					
Flame Test		Self Extinguishing	Self Extinguishing		Self Extinguishing					
Insulation Cover		RYBG	RYBG		RYBG					
Protection Class (Finger Safe)		IP21	IP21		IP21					
Maximum System Voltage		500VAC 600VDC	500V AC / 600V DC		500V AC / 600V DC					
High Voltage withstand For 1min / Flashover Test		2.5KV / 7.5KV	2.5KV / 7.5KV		2.5KV / 7.5KV					
<b>INSTALLATION</b>										
Support Pitch	Standard	1000 mm	1000 mm		1000 mm					
	Lateral	1000 mm	1000 mm		1000 mm					
On curved path		500 mm	500 mm		500 mm					
Hanger Clamps		1pole special	1pole / 4pole		1pole / 4pole					
Minimum Pitch Centre 4P HC Fixed		NA	43 mm		43 mm					
	1P HC	50 mm	40 mm min		40 mm min					
Max distance between Anchor points		75 Mtrs	75 Mtrs		75 Mtrs					
Power Feeding		At joint or at any location	At joint or at any location		At joint or at any location					
Expansion section required for bay lengths more than		150 Mtrs	200 Mtrs		150 Mtrs					
In Expn Tandem Collectors Required		Yes	Yes		Yes					
Site Crimping (Tool Supplied)		N.A	N.A		Required					
Installation suitable for		Indoor / outdoor	Indoor / outdoor		Indoor / outdoor					
<b>OTHER ACCESSORIES</b>										
Transfer Guides / Isolating Sections		Available	Available		Available					
*High Temp. Sleeves For 120 °C										
<b>APPLICATIONS</b>		Shrouded DSL installations for EOT Cranes, Electric Hoists, Straight / Curved Monorails, Conveyors, Amusement Drives, Electric Trolleys, Transfer Cars, Automated storage systems, Material handling systems etc. SS Conductors for Corosive atmosphere.								