

Safetrack s SHROUDED CONDUCTOR TECHNICAL DATA SHEET		
CONDUCTOR	SFS-35A	SFS-95A
Material	Galvanised steel	Copper
Cross Sectional Area (Thickness)	25(0.8)	25(0.8)
Impedence milli Ohms/M +35 °C	5.55	0.75
DC Resistance milli Ohms/M +35 °C	5.45	0.745
Co eff. Of Expansion / °C	1.26 x 10 ⁻⁵	1.62 x 10 ⁻⁵
Conductor Rating At +35 °C CDF 100%	35A	95A
80%	39A	105A
60%	43A	120A
40%	47A	130A
Conductor Rating at 100% CDF At +35 °C	35A	95A
+40 °C	35A	93A
+45 °C	33A	85A
+50 °C	31A	78A
+55 °C	28A	70A
Standard Conductor Length	4 Mtrs	4 Mtrs
Track Configuration straight / curved	600 mm	600 mm
Bending radius minimum Horz/ Vert		
Conductor Joint	Snap-in joint splice clip	Snap-in joint splice clip
INSULATION		
Standard Insulation	PVC	PVC
System working Temperature*	80 °C	80 °C
Flame Test	Self Extinguishing	Self Extinguishing
Insulation Cover	RYBG	RYBG
Protection Class (Finger Safe)	IP21	IP21
Maximum System Voltage	500V AC / 600V DC	500V AC / 600V DC
High Voltage withstand For 1min Flashover Test	2.5KV / 5.0 KV	2.5KV / 5.0 KV
INSTALLATION		
Support Pitch Standard	600 mm	600 mm
Lateral	600 mm	600 mm
On curved path	300 mm	300 mm
Hanger Clamps	4P / 6P / 8P / 10P / 12P	4P / 6P / 8P / 10P / 12P
Minimum Pitch Centre 4P HC Fixed	Fixed 14 mm OR 20 mm	Fixed 14 mm OR 20 mm
Multipole HC	Available	Available
Max distance between Anchor points	36 Mtrs	36 Mtrs
Power Feeding	At Joint Or Any Location upto 50A At end 25A	At Joint Or Any Location upto 50A At end 25A
Expansion section required for bay lengths more than	150 Mtrs	150 Mtrs
In Expn Tandem Collectors Required	No	No
Installation suitable for	Indoor	Indoor
OTHER ACCESSORIES		
Transfer Guides / Isolating Sections	Available	Available
*High Temp. Sleeves For 120 °C		
APPLICATIONS	Shrouded Conductor installations for Electric Hoists, EMS Systems , Staignt. / Curved Monorails , Electric Trolleys , Transfer Cars , Automated storage systems , IN EOT Crane CT Applications etc	