

Impedence milli Ohms/M

DC Resistance milli Ohms/M +35 °C

+35 <sup>○</sup>C

## Shrouded Conductor System For Electric Hoist Straight/Curved Monorails /EMS System,CT applications, Material Handlings Equipments

0.75

0.745



## **VOLTAGE DROP** $V_d$ Voltage Drop in Volts = Itotal **Total Current in Amps** $Z_{ac}$ Impedence in Ohms/Mtr = $V_d = \sqrt{3} \cdot l \cdot I_{total} \cdot Z_{ac}$ A.C $R_{dc}$ Resistance in Ohms/Mtr l Effective Length in Mtrs = D.C System length in Mtrs = $V_d = 2 \cdot l \cdot I_{total} \cdot R_{dc}$ Power Feed Collector CONDUCTOR 35 A 95A Galvanised Steel Material Copper Cross Sectional Area (Thickness) 25 (0.8mm) 25 (0.8mm)

5.55

5.45

Power Feed Position ⊗	Schematic Diagram . Collector Symbol Indicates Position Of Maximum Voltage Drop	Effective Length I for voltage drop calculation
End Feed	<b>←</b>	l = L
Centre Feed	$\begin{array}{c c} & & & \\ \hline \end{array}$	l = <u>L</u> 2
Two Power Feed at both ends	⊗ — — ⊗	l = <u>L</u> 4
Two Power Feeds at L from each end of 6 system	$\begin{array}{c c} \leftarrow \stackrel{\perp}{6} \rightarrow \\ \hline \\ \hline \\ \hline \end{array} \qquad \begin{array}{c} \leftarrow \stackrel{\perp}{6} \rightarrow \\ \hline \\ \hline \end{array}$	l = <u>L</u> 6
Three power feeds at L from each end and 10 one at centre	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	l = <u>L</u> 10