Non-halogen Flame-retardant Electromagnetic Shield Power Cables
WD-PWYYRP-125 1.8/3 kV

Application
- Used as power and control cable for protected installations inside and outside of rail and transport vehicles, where handling and installation cost are an important factor.
- Used in control, auxiliary and main circuit wiring such as cable harnesses, switchboards and control panels, driver desks etc.

Construction
Conductor
Soft tinned annealed brass wires
Insulation
125°C non-halogen flame-retardant compound
Screen
Tinned copper wire braid
Sheath
125°C non-halogen flame-retardant compound.

Electrical & Mechanical Properties
Nominal Voltage 1.8/3 kV
Long-term Working Temperature 125°C
Short Circuit Temperature (5s) 250°C
Long-term Working Ambient Temperature -40°C/+70°C
Minimum Bending Radius 5 x Overall Diameter

Fire Performance
Flame Retardant GB 12666.2-1990 DZ-1
Low Corrosivity (Acidity & Conductivity) GB/T17650.1-1998; GB/T17650.2-1998
Halogen Free GB/T17650.1-1998; GB/T17650.2-1998
Low Smoke GB/T17651.1-1998; GB/T17651.2-1998

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<table>
<thead>
<tr>
<th>Nominal Cross-Sectional Area</th>
<th>Stranding</th>
<th>Insulation Thickness</th>
<th>Sheath Thickness</th>
<th>Maximum Overall Diameter</th>
<th>Weight</th>
<th>Maximum Conductor Resistance 20°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>mm²</td>
<td>No/mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>kg/km</td>
<td>Ω/km</td>
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<tr>
<td>35</td>
<td>1.107/0.2</td>
<td>1.8</td>
<td>1.2</td>
<td>16.5</td>
<td>666</td>
<td>0.393</td>
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<tr>
<td>70</td>
<td>2.220/0.2</td>
<td>1.9</td>
<td>1.5</td>
<td>21.0</td>
<td>1172</td>
<td>0.210</td>
</tr>
</tbody>
</table>

Acid & Alkaline Resistant
IRM 953 Fuel Oil Resistant
IRM 952 Mineral Oil Resistant
Flame Retardant NF C50170-2.3(C2); IEC60332-3-24; EN60332-3-24
Flame Retardant NF C50170-2.3(C2); IEC60332-3-24; EN60332-3-24
Low Toxicity NF C50170-2.3(C2); IEC60332-3-24; EN60332-3-24
Low Corrosivity NF C50170-2.3(C2); IEC60332-3-24; EN60332-3-24
Low Smoke Emission NF C50170-2.3(C2); IEC60332-3-24; EN60332-3-24
Zero Halogen NF C50170-2.3(C2); IEC60332-3-24; EN60332-3-24
Impact Resistant
Highly Flexible
UV Resistant
Ozone Resistant
Abrasion Resistant
Cold-resistant
Resistance To Soldering Heat
Acid & Alkaline Resistant

Addison