







# H07Z-K Halogen-Free Single Wire 90 °C



Wire structure (VDE 0282 part 9)		
Technical data		
<b>VDE 0282 part 9</b>	<ul style="list-style-type: none"> <li>Bare or tinned copper, fine wire strands class 5 acc. to DIN VDE 0295</li> <li>Insulation halogen-free compound EI5, VDE 0282 part 1</li> <li>Conductor coding DIN VDE 0293 and DIN IEC 304</li> </ul>	
<b>Nominal voltage U<sub>0</sub>/U</b>	450/750 V	
<b>Test voltage</b>	4,000 V	
<b>Temperature range</b>	While mounting	+5 °C to +90 °C
	Fixed installation	-40 °C to +90 °C
<b>Maximum temp. at wire</b>	In operation	+90 °C
	At short circuit	+160 °C
		According to DIN EN 50265-2-1
<b>Inflammability</b>		
Description	Colours	Packaging <sup>1)</sup>
<b>1.5 mm<sup>2</sup></b> Outer diameter 3 mm Copper weight 14.4 kg/km	Black Yellow Brown Grey Green/Yellow Green Violet Red White Orange Blue	<ul style="list-style-type: none"> <li>Cardboard box</li> <li>Boxed wire</li> <li>Reel</li> </ul>
<b>2.5 mm<sup>2</sup></b> Outer diameter 3.6 mm Copper weight 24 kg/km	Black Yellow Brown Grey Green/Yellow Green Violet Red White Orange Blue	<ul style="list-style-type: none"> <li>Cardboard box</li> <li>Boxed wire</li> <li>Reel</li> </ul>
<b>4 mm<sup>2</sup></b> Outer diameter 4.2 mm Copper weight 38.4 kg/km	Black Yellow Brown Grey Green/Yellow Green Violet Red White Orange Blue	<ul style="list-style-type: none"> <li>Cardboard box</li> <li>Boxed wire</li> <li>Reel</li> </ul>
<b>6 mm<sup>2</sup></b> Outer diameter 4.9 mm Copper weight 58 kg/km	Black Yellow Brown Grey Green/Yellow Green Violet Red White Orange Blue	<ul style="list-style-type: none"> <li>Cardboard box</li> <li>Boxed wire</li> <li>Reel</li> </ul>
<b>10 mm<sup>2</sup></b> Outer diameter 6.3 mm Copper weight 96 kg/km	Black Yellow Brown Grey Green/Yellow Green Violet Red White Orange Blue	<ul style="list-style-type: none"> <li>Cardboard box</li> <li>Reel</li> </ul>
<b>16 mm<sup>2</sup></b> Outer diameter 8.4 mm Copper weight 154 kg/km	Black Yellow Brown Grey Green/Yellow Green Violet Red White Orange Blue	<ul style="list-style-type: none"> <li>Cardboard box</li> <li>Reel</li> </ul>
<b>25 mm<sup>2</sup></b> Outer diameter 9.5 mm Copper weight 240 kg/km	Black Yellow Brown Grey Green/Yellow Green Violet Red White Orange Blue	<ul style="list-style-type: none"> <li>Cardboard box</li> <li>Reel</li> </ul>
<b>35 mm<sup>2</sup></b> Outer diameter 11.5 mm Copper weight 336 kg/km	Black Yellow Brown Grey Green/Yellow Green Violet Red White Orange Blue	<ul style="list-style-type: none"> <li>Cardboard box</li> <li>Reel</li> </ul>
<b>50 mm<sup>2</sup></b> Outer diameter 13.5 mm Copper weight 480 kg/km	Black Yellow Brown Grey Green/Yellow Green Violet Red White Orange Blue	<ul style="list-style-type: none"> <li>Cardboard box</li> <li>Reel</li> </ul>
<b>70 mm<sup>2</sup></b> Outer diameter 16.2 mm Copper weight 672 kg/km	Black Yellow Brown Grey Green/Yellow Green Violet Red White Orange Blue	<ul style="list-style-type: none"> <li>Cardboard box</li> <li>Reel</li> </ul>
<b>95 mm<sup>2</sup></b> Outer diameter 17.5 mm Copper weight 912 kg/km	Black Yellow Brown Grey Green/Yellow Green Violet Red White Orange Blue	<ul style="list-style-type: none"> <li>Cardboard box</li> <li>Reel</li> </ul>
<b>120 mm<sup>2</sup></b> Outer diameter 18.9 mm Copper weight 1,152 kg/km	Black Yellow Brown Grey Green/Yellow Green Violet Red White Orange Blue	<ul style="list-style-type: none"> <li>Cardboard box</li> <li>Reel</li> </ul>

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	<b>1) Cardboard box</b>		<b>4) Plastic spools</b>
	<b>2) Multi-ply reel</b>		<b>5) Wooden reels for bigger sizes of cable and/or large quantities</b>
	<b>3) Coil, mostly blistered in PVC foil</b>		<b>6) "Boxed wire" container, made of corrugated cardboard for wire sizes up to 6 mm<sup>2</sup> included. Ideal for wire processing on automatic machines: smooth feeding, no wire prefeeder needed</b>

All of our packaging modalities are "one-way" with the exception of wooden drums.  
In case you prefer our prescribe defined dimensions of spools, reels, etc., please contact us.