



# SZ1-K (AS+) FIRE RESISTANT ENERGY CABLES



THE REACTION and RESISTANCE TO FIRE CHARACTERISTIC / LOW SMOKE EMISSION / WITHOUT POISONED AND CORROSIVE GASES / CIRCUIT INTEGRITY 180 MINUTES / CIRCUIT INTEGRITY WITH MECHANICAL SHOCK PH120 / FIRE REACTION CLASS Cca-s1a,d1,a1



## CONSTRUCTION

<b>Conductor</b>	EN 60228 Class 5 Stranded Electrolytic Plain Copper
<b>Insulation</b>	Special, fire resistant silicone rubber type EI2 to EN 50363-1
<b>Insulation Colour</b>	HD 308 S2
<b>Stranding</b>	In Layers Of Optimum Pitch
<b>Sheath</b>	HFFR Compound according to IEC 60502-1
<b>Sheath Colour</b>	RAL2003 Orange
<b>Available Sections</b>	From 1,5 to 50 mm <sup>2</sup>

## Colour Coded acc. to HD 308 S2

<b>1 Cores</b>		Black					
<b>2 Cores</b>		Blue	Brown				
<b>3 Cores</b>	<b>JB</b>	Yellow	Green	Blue	Brown		
	<b>OB</b>	Brown		Black	Grey		
<b>4 Cores</b>	<b>JB</b>	Yellow	Green	Brown	Black	Grey	
	<b>OB</b>	Blue		Brown	Black	Grey	
<b>5 Cores</b>	<b>JB</b>	Yellow	Green	Blue	Brown	Black	Grey
	<b>OB</b>	Blue		Brown	Black	Grey	Black

## TECHNICAL CHARACTERISTICS

<b>Working voltage</b>	0,6/1 kV
<b>Test voltage</b>	4000 V
<b>Minimum bending radius</b>	12 x Ø
<b>Working temperature</b>	-40°C ~+90°C(Fixed Laying)
<b>Short circuit temperature</b>	+250°C
<b>Insulation resistance</b>	100 MΩ x km

