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## Je-H(St)H FE-180 PH120



### CONSTRUCTION

<b>CONDUCTOR</b>	Solid Copper Conductors per IEC 60228
<b>INSULATION</b>	Cross –Linked Ceramic Forming Polymer Compound
<b>COLOUR CODE</b>	Vde 815
<b>STRANDING</b>	In Concentric layers
<b>WRAPPING</b>	Polyester Tape + Fiber Glass Tape
<b>SCREEN</b>	Tinned Copper Drain Wire + Aluminum Tape
<b>SHEATH</b>	EN 50290 -2-27 HFFR Compound , RAL 2003 ORANGE
<b>PRINTING</b>	ETK Cable, cable Construction Je-H(st)H FE180/PH120, Length in m

### APPLICATION

For critical signal transmission indoors , · Fire alarm systems in industrial and office buildings , Instrumentation and control

### TECHNICAL CHARACTERISTICS

#### 1- CONDUCTOR

Section	0.8mm	1.0mm	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>
Loop Resistance, max	73.2 Ω/km	43.8 Ω/km	23.0 Ω/km	13.8 Ω/km

<b>2-INSULATION RESISTANCE</b>	: 100MΩ.km
<b>3-MUTUAL CAPACITANCE , max.( 800Hz)</b>	: 120nF/km
<b>4- CAPACITANCE UNBALANCE , max.( 800Hz)</b>	: 300pF/100m
<b>5-OPERATING VOLTAGE</b>	: 300V
<b>6-DIELECTRIC STRENGTH</b>	: 500-2000V
<b>7-BENDING RADIUS</b>	: 10xCable Diameter
<b>8-TEMPERATURE RANGE</b>	: -40 °C to +90°C

### FIRE PERFORMANCE TESTS

FLAME RETARDANCE	IEC 60332-1-2/VDE 0482-332-1-2 /EN 60332-1-2 / BS EN 60332-1-2
SMOKE EMISSION	IEC 61034-2/VDE 0482-1034-2/EN 61034-2/BS EN 61034-2
HALOGEN GAS CONTENT	IEC 60754-1/VDE 0482-267-2-1/EN 50267-2-1/BS EN 50267-2-1
CORROSIVE GAS EMISSION	IEC 60754-2/VDE 0482-267-2-3/EN 50267-2-3/BS EN 50267-2-3
CIRCUIT INTEGRITY (FE 180)	IEC 60331-23
CIRCUIT INTEGRITY WITH SHOCK (PH 120)	EN 50200/BS EN 50200/VDE0482



ISO 9001 ISO 14001 ISO 18001

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No. of Conductor / Diameter mm/mm <sup>2</sup>	Overall Dimensions (mm)	Approx. Weight (kg/km)	Standard Length (mt)
<b>0.80 mm</b>			
1x2x0.80	5,2	37	100/500/1000
2x2x0.80	5,9	53	100/500/1000
3x2x0.80	7,9	78	100/500/1000
4x2x0.80	9,4	100	100/500/1000
<b>1.5 mm<sup>2</sup></b>			
1x2x1.5	7,4	72	100/500/1000
2x2x1.5	8,2	114	100/500/1000
3x2x1.5	11,2	163	100/500/1000
4x2x1.5	13,0	216	100/500/1000
<b>2.5 mm<sup>2</sup></b>			
1x2x2.5	7,9	95	100/500/1000
2x2x2.5	9,2	157	100/500/1000
3x2x2.5	13,2	229	100/500/1000
4x2x2.5	15,3	304	100/500/1000



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