

## ERVITAL JE-H(St)H...Bd FE180/E90



### Application

- In places where electro-magnetic interference and influence exists
- Indoors where people are densely populated
- Instrumentation and control engineering
- Industrial electronics
- Computers and office machines
- Indoor communication systems
- Indoor sound systems
- In places where human life and valuable materials and equipment need to be protected

### Construction

Conductor	IEC 60228; VDE 0295; EN 60228 Class 1 Electrolytic Copper
Insulation	Cross-linked Ceramic Forming Polymer Compound
Colour Code	VDE 0815
Stranding	2 pair star quad, more than 2 pairs groups in layers
Wrapping	Pes Tape + Glass Fibre Tape
Screen	Tinned Copper Drain Wire + Al-Pes Tape
Sheath	EN 50290-2-27 HFFR Compaund
Sheath Colour	RAL 3000 Red or RAL 2003 Orange

## Technical Characteristics

LOOP RESISTANCE		INSULATION RESISTANCE (min)	MUTUAL CAPACITANCE	OPERATING VOLTAGE	BENDING RADIUS	TEST VOLTAGE (50 Hz 1 Min) CORE/CORE	TEMPERATURE RANGE
0,6 mm	Ω/km	100MΩxkm	120nF/km	225V	10x Cable ∅	0,6/0,8mm: 500V >1,0mm: 1000V	-40°C ~ +70°C
0,8 mm	130						
1,0 mm	73,2						
1,5 mm <sup>2</sup>	44,6						
2,5 mm <sup>2</sup>	24,6						
2,5 mm <sup>2</sup>	15,1						

## Flame Performance Tests

FLAME RETARDANT TEST	FLAME PROPAGATION TEST	SMOKE DENSITY TEST	TEST ON CORROSIVENESS COMBUSTION GASES
IEC 60332-1-2 VDE 0482-332-1-2 EN 60332-1-2 BS EN 60332-1-2	IEC 60332-3-24 VDE 0482-332-3-24 EN 60332-3-24 BS EN 60332-3-24	IEC 61034-2 VDE 0482-1034-2 EN 61034-2 BS EN 61034-2	IEC 60754-2 VDE 0482-754-2 EN 60754-2 BS EN 60754-2
HALOGEN FREE TEST	CIRCUIT INTEGRITY TEST (FE180)	CIRCUIT INTEGRITY WITH SHOCK TEST (PH120)	CABLE SYSTEM CIRCUIT INTEGRITY TEST (E90)
IEC 60754-1 VDE 0482-754-1 EN 60754-1 BS EN 60754-1	IEC 60331-23	EN 50200 DIN 4102-12 VDE 0482-200 BS EN 50200	DIN 4102-12