

FIRE RESISTANT SIGNAL CONTROL CABLES
ERVITAL JE-H(St)H...Bd FE180 / E30
(VDE 0815)

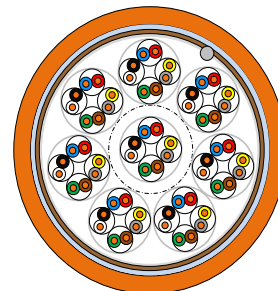
APPLICATION

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 Place Where Human Life and Valuable Materials and Equipment Need to Be Protected



Fire Resistant/ Good EMC Characteristics/ Flame Retardant Characteristic/ Low Smoke Emission/ Without Poisonous and Corrosive Gases

Circuit Integrity For Min. 180 Minutes (FE180)/ Cable System Circuit Integrity For Min. 30 Minutes (E30)

Circuit Integrity With Shock For Min. 120 Minutes (PH120)

TECHNICAL CHARACTERISTICS

- | | |
|--|---|
| 1 - Conductor | : IEC 60228/DIN EN 60228/ EN 60228 Class 1 Electrolytic Solid Copper (0,80mm Ø) |
| 2 - Insulation | : Cross-Linked Special Polymer Compound |
| 3 - Insulation Colour | : VDE 0815 |
| 4 - Stranding | : Pairwise, 4 Pairs Form 1 Group, Groups In Layers |
| 5 - Wrapping | : PES Tape |
| 6 - Flame Barrier | : Glass Fibre Tape |
| 7 - Overall Screen | : Tinned Copper Drain Wire (0,80mm Ø) + Al-PES Tape |
| 8 - Outer Sheath | : EN 50290-2-27 HFFR Compound |
| 9 - Outer Sheath Colour | : RAL 2003 Orange |
| 10 - Min.Bending Radius | : 10 x D |
| 11 - Operating Voltage | : 300 V |
| 12 - Test Voltage | : 1000 V |
| 13 - Temperature Range | : -40°C ~+70°C (Fixed Laying) |
| 14 - Flame Retardant Test | : IEC 60332-1-2, DIN EN 60332-1-2, BS EN 60332-1-2, EN 60332-1-2 |
| 15 - Flame Propagation Test (CAT C) | : IEC 60332-3-24, DIN EN 60332-3-24, BS EN 60332-3-24, EN 60332-3-24 |
| 16 - Smoke Density Test | : IEC 61034-2, VDE 0482-1034-2, EN 61034-2 |
| 17 - Corrosive Gas Test | : IEC 60754-2, VDE 0482-754-1-2, EN 60754-2 |
| 18 - Halogen Free Test | : IEC 60754-1, VDE 0482-754-2, EN 60754-2 |
| 19 - Circuit Integrity Test (FE180) | : IEC 60331-23 |
| 20 - Circuit Integrity With Shock Test (PH120) | : EN 50200; VDE 0482-200; BS EN 50200 |
| 21 - Cable System Circuit Integrity Test (E30) | : DIN 4102-12 |
| 22 - Cable Marking | : ERSE KABLO ERVITAL JE-H(St)H...Bd FE180/E30 2x2X0,80 +0,80 mm IEC 60331-23/TS EN 50200 <VDE-REG 8336> @UE/@OK C6 RoHS CCCCC mt CCCCC mt |

Cross Section	Overall Diameter (mm)	Loop Resistance (Ω/Km)	Insulation Resistance (MΩxKm)	Mutual Capacity (nF/m)	Approx. Weight (kg/km)	SAP Code
2x2x0,8mm+0,8mm	6,0±1,0	73,2	100	100	59	CAI632
4x2x0,8mm+0,8mm	8,7±1,0				108	CAI631
8x2x0,8mm+0,8mm	17,0±1,5				294	CAI634
12x2x0,8mm+0,8mm	17,9±1,5				314	CAI633