# JE-Y(St)Y...Bd




## Areas of Use

These installation cables according to VDE 0815 with electrostatic screen for industrial electronics are used telecommunication, measurement and information/data process systems.

## Cable Construction

| | |
|---|---|
| **Conductor** | Annealed Solid Copper (IEC/EN 60228) |
| **Insulation** | PVC (EN 50290-2-21 TI1, VDE 0207 Part 4 YI1) |
| **Core Colors** | TS 13767, VDE 0815 |
| **Lay-up** | 5 star quads laid up to a bundle, bundles laid up in layers |
| **Separator** | PET Foil |
| **Drain Wire** | Solid Tinned Copper Wire |
| **Screen** | Al-PET Foil |
| **Outer Sheath** | PVC (EN 50290-2-22 TM1, VDE 0207 Part 5 YM1), RAL 7032 - Grey |
| **Reference Standards** | TS 13767, VDE 0815 |

## Technical Properties

| | |
|---|---|
| **Operating Voltage** | 300 V |
| **Test Voltage** | 800 V |
| **Insulation Resistance** | >100 M.Ωxkm |
| **Capacitance (@800Hz)** | ≤100 nF/km (capacitance values may increase by 20% up to 4 pair) |
| **Loop Resistance** | ≤73.2 Ω/km |
| **Temperature Range** | -30 °C.....+70 °C |
| **Flame Retardancy** | IEC/EN 60332-1 |
| **Min. Bending Radius (Fixed)** | 8 x Cable Diameter |

## Cross Section

| Configuration / Cross-Section (mm/mm²) | Cable Diameter (mm) (± 5%) | Copper Weight (kg / km) | ~ Cable Weight (kg / km) |
|---|---|---|---|
| 2x2x0.8 + 0.8 | 5.6 | 25 | 61 |
| 4x2x0.8 + 0.8 | 7.7 | 45 | 103 |
| 8x2x0.8 + 0.8 | 12.2 | 86 | 187 |
| 16x2x0.8 + 0.8 | 15.2 | 167 | 331 |
| 20x2x0.8 + 0.8 | 16.7 | 207 | 398 |
| 32x2x0.8 + 0.8 | 21.3 | 328 | 619 |
| 40x2x0.8 + 0.8 | 23.3 | 409 | 771 |

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