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|--|------------------------------|
| conductor material: | bare copper |
| conductor construction: | solid, class 1 |
| insulation: | polyethylene |
| stranding unit: | quads |
| stranding: | bunches |
| screen over strand: | foil |
| drain wire: | yes |
| sheathing material: | PVC |
| colour of outer sheath: | gray RAL 7032 |
| flame retardant: | VDE 0482-332-1-2/IEC 60332-1 |
| max. operating temperature, fixed: | -30 - +70 °C |
| temperature, moved/during installation: | -5 - +50 °C |
| bending radius, fixed installation: | 7,5 x DA |
| impedance: | 100 Ohm |
| insulation resistance: | 5000 MOhm \times km |
| coupling K1: | 400 pF |
| couplinh K9-12: | 100 pF |

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|----------------------------|
| <i>J-2Y(St)Y St III Bd</i> |
| 52 nF/km |
| 300 V |
| 800 V |

operating capacity:
nominal voltage U:
test voltage:

Application: For connection of computer units, ISDN-sub-units and -devices and for data transmission. Suitable for transmission of analog- and digital signals up to 16 Mbit/s. For installation in dry and wet rooms.

Stranding:

4 cores twisted into star-quads, 5 star-quads stranded into one sub-unit, sub-units layed up in layers

Core identification:

The star-quads of each bunch are continuous: red, green, grey, yellow, white

The cores within one star-quad are marked by rings:

a-wire 1: without ring

b-wire 1: one ring, wide spaced

a-wire 2: double ring, wide spaced

b-wire 2: double ring, narrow spaced



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

| f, MHz | attenuation, dB/100 m, typical values | NEXT, dB, typical values |
|--------|---------------------------------------|--------------------------|
| 1 | 2,8 | |
| 4 | 4,7 | 25 |
| 10 | 6,5 | 25 |
| 16 | 7,8 | 25 |
| 20 | 8,9 | 25 |

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table: technical data J-2Y(St)Y St III Bd

| Art.- Nr. | part-name | DA [mm] | CU | G [kg/km] |
|--------------|----------------------------------|------------|-----|--------------|
| 100210 | J-2Y(St)Y St III Bd 02X2X0,6 GR | 5,5 | 13 | 42 |
| 100211 | J-2Y(St)Y St III Bd 04X2X0,6 GR | 7,5 | 24 | 66 |
| 100212 | J-2Y(St)Y St III Bd 06X2X0,6 GR | 8,5 | 35 | 80 |
| 100213 | J-2Y(St)Y St III Bd 10X2X0,6 GR | 9 | 58 | 115 |
| 100214 | J-2Y(St)Y St III Bd 20X2X0,6 GR | 12 | 116 | 217 |
| 100215 | J-2Y(St)Y St III Bd 30X2X0,6 GR | 14,5 | 172 | 283 |
| 100216 | J-2Y(St)Y St III Bd 40X2X0,6 GR | 16 | 229 | 370 |
| 100217 | J-2Y(St)Y St III Bd 50X2X0,6 GR | 18,5 | 286 | 434 |
| 100218 | J-2Y(St)Y St III Bd 60X2X0,6 GR | 20 | 342 | 526 |
| 100219 | J-2Y(St)Y St III Bd 80X2X0,6 GR | 22,5 | 455 | 678 |
| 100220 | J-2Y(St)Y St III Bd 100X2X0,6 GR | 25 | 568 | 861 |

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