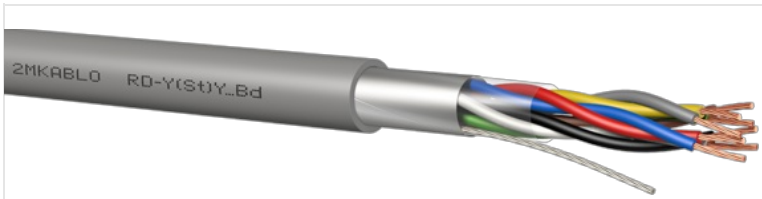
RD-Y(St)Y...Bd - fl



Areas of Use

Used for communication and instrumentation purposes in industries like oil exploration, cement, paper, steel, power generation as well as in intrinsically safe systems in hazardous areas like petrochemical plants and thermal power plants to monitor measuring equipment in process automation applications.

Cable Construction

Conductor	Stranded Annealed Copper (IEC/EN 60228, Class 2)
Insulation	PVC (EN 50290-2-21)
Stranding	Two cores twisted to a pair (20 pitch / m), each bundle laid up with 4 pairs, each bundle is wrapped by numbered or colored PET Foil
Lay-up	Bundles laid-up in layers
Separator	PET Foil
Overall Screen	Al-PET Foil (with 7x0.3 mm Tinned Copper Drain Wire)
Outer Sheath	UV Resistant, Flame Retardant PVC (EN 50290-2-22), RAL 7000 - Grey, RAL 5015 - Blue (other colors open request)
Reference Standards	VDE 0815
Core Colors	1. Pair: Blue / Red 2. Pair: Gray / Yellow 3. Pair: Green / Brown 4. Pair: Black / White

Technical Properties

Operating Voltage	300 V
Test Voltage	Core - Core: 1000 V; Core - Screen: 1000 V
Conductor Resistance	0.50 mm² - ≤36 Ω/km; 1.00 mm² - ≤18.1 Ω/km
Capacitance Unbalance (800 Hz)	≤200 pF/100m
Capacitance (@800Hz)	≤100 nF/km (capacitance values may increase by 20% up to 4 pair)
Temperature Range	Fixed: -40 °C .....+70 °C, Flexible: -5 °C .....+50 °C
Flame Retardancy	IEC/EN 60332-1, IEC/EN 60332-3-24 (CAT C)
Oil Resistance	IEC/EN 60811-404, ASTM No 2 oil 70 °C 4 hours
Min. Bending Radius (Fixed)	8 x Cable Diameter
Insulation Resistance	>100 M.Ωxkm

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