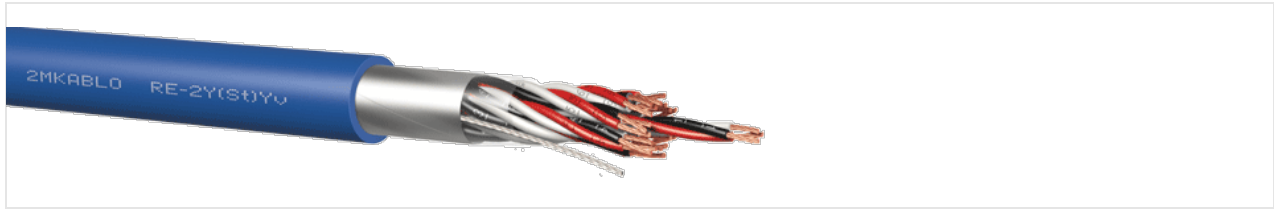


## RE-2Y(St)Yv-fl



### 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. The reinforced outer sheath provides additional mechanical strength.

### Cable Construction

<b>Conductor</b>	Stranded Annealed Copper (IEC/EN 60228, Class 2)
<b>Insulation</b>	PE (EN 50290-2-23)
<b>Core Colors</b>	Multicore: White Numbered Pair: Black / White, Numbered Triples: Black / White / Red, Numbered Quad: Black / White / Red / Blue, Numbered
<b>Lay-up</b>	Cores / pairs / triples / quads are stranded in layers
<b>Separator</b>	PET Foil
<b>Overall Screen</b>	Al-PET Foil (with 7x0.3 mm Tinned Copper Drain Wire)
<b>Outer Sheath</b>	UV Resistant, Flame Retardant PVC (EN 50290-2-22), RAL 7000 - Grey, RAL 5015 - Blue (other colors open request)
<b>Reference Standards</b>	BS/EN 50288-7, VDE 0816 (for Yv thickness)

### Technical Properties

<b>Operating Voltage</b>	500 V*
<b>Test Voltage</b>	Core - Core: 2000 V; Core - Screen: 1000 V
<b>Conductor Resistance</b>	0.50 mm <sup>2</sup> - ≤36 Ω/km; 0.75 mm <sup>2</sup> - ≤24.5 Ω/km; 1.00 mm <sup>2</sup> - ≤18.1 Ω/km; 1.30 mm <sup>2</sup> - ≤14.2 Ω/km; 1.50 mm <sup>2</sup> - ≤12.1 Ω/km; 2.50 mm <sup>2</sup> - ≤7.41 Ω/km
<b>Insulation Resistance</b>	>5000 M.Ωxkm
<b>Capacitance Unbalance (800 Hz)</b>	≤500 pF/500m
<b>Capacitance (@800Hz)</b>	≤85 nF/km (Capacitance values may increase by 20% up to 4 pairs)
<b>L/R Ratio</b>	0.50 mm <sup>2</sup> ..1.00 mm <sup>2</sup> - ≤25 μH/Ω; 1.30 mm <sup>2</sup> ..1.50 mm <sup>2</sup> - ≤40 μH/Ω; 2.50 mm <sup>2</sup> - ≤60 μH/Ω
<b>Temperature Range</b>	Fixed: -40 °C .....+70 °C, Flexible: -5 °C .....+50 °C
<b>Flame Retardancy</b>	IEC/EN 60332-1, IEC/EN 60332-3-24 (CAT C)
<b>Oil Resistance</b>	IEC/EN 60811-404, ASTM No 2 oil 70 °C 4 hours
<b>Min. Bending Radius (Fixed)</b>	10 x Cable Diameter

12.05.2026 11:14

**Legal Warning:** The information in this catalog is for marketing purposes. 2M Kablo can change this catalog during product development and any requirements. 2M Kablo can always change designs, technical specifications, images and other informations in this catalog without any notice. This catalog is only a guide and is valid at the time of download, not valid for an offer or contract.

If you need more information about the products in this catalog, please contact us via [info@2mkablo.com](mailto:info@2mkablo.com) or call +90 (212) 222 8250.