

RE-2Y(Sf)Y/Yv-fl (MULTIPAIR) CU/PE/OSCR/PVC

POLYETHYLENE INSULATED, OVERALL SCREEN, MULTIPAIR
INSTRUMENTATION CABLES (EN 50288/7-BS 5308/1)



CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-23 PE COMPOUND
3- COLOUR CODE	BS-5308 PART-1 OR BLACK-WHITE; EACH PAIR NUMBERED
4- STRANDING	PAIRWISE, PAIRS IN LAYERS AND 1 NUMBER COMMUNICATION CORE
5- WRAPPING	PES TAPE
6- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
7- SHEATH	EN 50290-2-22 PVC COMPOUND
8- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK OR RAL 7032 GREY*

- GOOD EMC* CHARACTERISTICS
- SMALL BENDING RADIUS
- FLEXIBLE
- FLAME RETARDANT AND HYDROCARBON RESISTANT

APPLICATION

- 1- INSTRUMENTATION AND CONTROL ENGINEERING ANALOG AND DIGITAL SIGNAL TRANSMISSION
- 2- PETROLEUM REFINERIES
- 3- PETROCHEMISTRY INDUSTRY
- 4- POWER PLANTS
- 5- NATURAL GAS PUMP STATIONS
- 6- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

FI* = FLAME RETARDANT OUTER SHEATH

Yv* = REINFORCED OUTER SHEATH

RAL 5015 BLUE SHEATH* AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS.

RAL 9005 BLACK SHEATH* PLACES WHERE UV RESISTANCE IS REQUIRED

RAL 7032 GREY SHEATH* INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm ² = 36 Ω/km
	0.75 mm ² = 24.5 Ω/km
	1.0 mm ² = 18.1 Ω/km
	1.30 mm ² = 13.9 Ω/km
	1.5 mm ² = 12.1 Ω/km

2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
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3- MUTUAL CAPACITY (MAX)	0.50 mm ² = 65 pF/m
	0.75 mm ² = 65 pF/m
	1.0 mm ² = 65 pF/m
	1.30 mm ² = 75 pF/m
	1.5 mm ² = 75 pF/m

4- TEMPERATURE RANGE	- 30 ⁰ C--+70 ⁰ C (FIXED LAYING)
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5- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4
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6- L/R(RATIO) (MAX)	0.50 mm ² = 25 mH/Ω
	0.75 mm ² = 25 mH/Ω
	1.0 mm ² = 25 mH/Ω
	1.30 mm ² = 40 mH/Ω
	1.50 mm ² = 40 mH/Ω

7- CURRENT LOAD(25⁰C)	0.50 mm ² = 6.0 A
	0.75 mm ² = 13 A
	1.0 mm ² = 16 A
	1.30 mm ² = 18 A
	1.5 mm ² = 20 A

8- OPERATING VOLTAGE	300/500 V.
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9- TEST VOLTAGE	Core/Core = 2000 V.
	Core/Screen = 2000 V.

10- BENDING RADIUS	7.5X Cable Ø
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