

RE-2Y(St)Y-fl (MULTICORE)

CU/PE/OSCR/PVC



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



CONSTRUCTION

- 1 - Conductor** IEC 60228 / DIN VDE 0295 / EN 60228
- 2 - Insulation** EN 50290-2-23 PE COMPOUND
- 3 - Colour Code** WHITE INSULATED CORES WITH BLACK NUMBER IMPRINTED IN LAYERS OF OPTIMUM PITCH
- 4 - Stranding** PES TAPE
- 5 - Wrapping** TINNED COPPER DRAIN WIRE; AL-PES TAPE
- 6 - Overall Screen** EN 50290-2-22 PVC COMPOUND
- 7 - Sheath** RAL 5015* BLUE / RAL 9005* BLACK OR RAL 7032 GREY*
- 8 - Sheath Colour**

APPLICATION

1. Instrumentation and control engineering analog and digital signal transmission
2. In chemistry industry
3. Petrochemistry industry
4. Power plants
5. Indoors and outdoors, dry, damp and wet environments
6. Gas Stations
7. Water Conveyance Systems

NOTES

- EMC*:** Electromagnetic compatibility
- Fl*:** Flame retardant outer sheath
- Yv*:** Reinforced sheath version available on request
- Ral 5015 blue sheath*:** At ex-proof connections in explosive and in flammable environments, intrinsically safe
- Ral 9005 black sheath*:** Places where UV resistance is required
- Ral 7032 GREY SHEATH*:** Inside of buildings

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)	INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)	TEMPERATURE RANGE	FLAME PROPAGATION
mm ² Ω/km	MΩxKm	mm ² pF/m		
0,50 36		0,50 115		IEC 60332-3-24
0,75 24,5		0,75 115	-30°C-+70°C	VDE 0482-332-3-24
1,0 18,1	5000	1,0 115	(FIXED LAYING)	EN 60332-3-24
1,5 12,1		1,5 115		BS EN 60332-3-24
2,5 7,41		2,5 115		

L/R(RATIO) (MAX)	CURRENT LOAD(25°C)	OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm ² μH/Ω	mm ² A			
0,50 25	0,50 6,0		Cr./Cr.=2000 V	
0,75 25	0,75 13	300/500 V.	Cr./Scrn.=2000 V	7,5X Cable Ø
1,0 25	1,0 16			
1,5 40	1,5 20			
2,5 60	2,5 25			

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

RE-2Y(St)Y-fi (MULTICORE)

CU/PE/OSCR/PVC

CODE NR.	NUMBER OF CORE CROSS SECTION (mm ²)	OVERALL DIAMETER (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
374450020	2 x 0,50	5,60	14	44	500/1000
374450030	3 x 0,50	5,80	18	49	500/1000
374450040	4 x 0,50	6,30	23	57	500/1000
374450050	5 x 0,50	6,90	28	67	500/1000
374450060	6 x 0,50	7,40	32	76	500/1000
374450070	7 x 0,50	7,40	37	82	500/1000
374450100	10 x 0,50	9,40	51	112	500/1000
374450120	12 x 0,50	9,60	59	132	500/1000
374450190	19 x 0,50	11,50	115	197	500/1000
374450240	24 x 0,50	13,20	145	243	500/1000
374475020	2 x 0,75	6,00	19	49	500/1000
374475030	3 x 0,75	6,20	26	58	500/1000
374475040	4 x 0,75	6,60	33	71	500/1000
374475050	5 x 0,75	7,30	40	85	500/1000
374475060	6 x 0,75	7,90	47	100	500/1000
374475070	7 x 0,75	7,90	54	107	500/1000
374475100	10 x 0,75	10,10	75	150	500/1000
374475120	12 x 0,75	10,40	89	170	500/1000
374475190	19 x 0,75	12,30	138	255	500/1000
374475240	24 x 0,75	14,40	173	320	500/1000
374401020	2 x 1	6,50	23	57	500/1000
374401030	3 x 1	6,80	32	69	500/1000
374401040	4 x 1	7,30	41	87	500/1000
374401050	5 x 1	7,50	50	96	500/1000
374401060	6 x 1	8,80	60	119	500/1000
374401070	7 x 1	8,80	69	128	500/1000
374401100	10 x 1	11,20	97	192	500/1000
374401120	12 x 1	11,60	115	216	500/1000
374401190	19 x 1	13,60	180	315	500/1000
374401240	24 x 1	15,90	225	398	500/1000
374415020	2 x 1,5	7,00	33	69	500/1000
374415030	3 x 1,5	7,40	47	89	500/1000
374415040	4 x 1,5	8,00	61	109	500/1000
374415050	5 x 1,5	9,00	76	134	500/1000
374415060	6 x 1,5	9,70	90	160	500/1000
374415070	7 x 1,5	9,70	104	167	500/1000
374415100	10 x 1,5	12,40	147	245	500/1000
374415120	12 x 1,5	12,80	175	285	500/1000
374415190	19 x 1,5	15,10	274	435	500/1000
374415240	24 x 1,5	17,80	345	530	500/1000
374425020	2 x 2,5	8,50	49	98	500/1000
374425030	3 x 2,5	8,80	71	127	500/1000
374425040	4 x 2,5	9,60	93	159	500/1000
374425050	5 x 2,5	10,60	115	195	500/1000
374425060	6 x 2,5	11,70	137	236	500/1000
374425070	7 x 2,5	11,70	159	260	500/1000
374425100	10 x 2,5	15,00	225	364	500/1000
374425120	12 x 2,5	15,40	267	428	500/1000
374425190	19 x 2,5	18,30	423	650	500/1000
374425240	24 x 2,5	21,50	533	810	500/1000