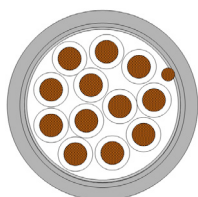


# RE-2Y(St)H (MULTICORE)

CU/PE/OSCR/LSZH



VERY GOOD EMC\* CHARACTERISTICS / SMALL BENDING RADIUS  
 FLAME RETARDANT AND HYDROCARBON RESISTANT/  
 LOW SMOKE EMISSION WITHOUT POISONED AND CORROSIVE GASSES



## 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 50290-2-27 LSZH COMPOUND
- 7 - Sheath** RAL 5015\* BLUE / RAL 9005\* BLACK OR RAL 7001\* GREY
- 8 - Sheath Colour**

## TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)	INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)	TEMPERATURE RANGE	FLAME PROPAGATION
mm <sup>2</sup> Ω/km	MΩxKm	mm <sup>2</sup> pF/m		
0,50 36		0,50 115	- 30°C-+70°C (FIXED LAYING)	IEC 60332-3-24
0,75 24,5		0,75 115		VDE0482-332-3-24
1,0 18,1	5000	1,0 115		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 <sup>2</sup> μH/Ω	mm <sup>2</sup> A			
0,50 25	0,50 6,0	300/500 V.	Cr./Cr.=2000 V	7,5X Cable Ø
0,75 25	0,75 13		Cr./Scrm.=2000 V	
1,0 25	1,0 16			
1,5 40	1,5 20			
2,5 40	2,5 25			

SMOKE DENSITY	TEST ON CORROSIVENESS OF COMBUSTION GASES	HALOGEN FREE TEST
IEC 61034-2	IEC 60754-2	IEC 60754-1
VDE 0482-1034-2	VDE 0482-267-2-3	VDE 0482-267-2-1
EN 61034-2	EN 50267-2-3	EN 50267-2-1
BS EN 61034-2	BS EN 50267-2-3	BS EN 50267-2-1

## 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
7. Gas Stations
8. Water Conveyance Systems

## NOTES

- EMC\*:** Electromagnetic compatibility  
**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 7001 grey sheath\*:** Inside of buildings

## DESIGN STANDARDS

PAS 5308-1  
 EN 50288-7

**RE-2Y(St)H (MULTICORE)**

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CODE NR.	NUMBER OF CORE CROSS SECTION (mm <sup>2</sup> )	OVERALL DIAMETER (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
376650020	2 x 0,50	5,60	14	44	500/1000
376650030	3 x 0,50	5,80	18	49	500/1000
376650040	4 x 0,50	6,30	23	57	500/1000
376650050	5 x 0,50	6,90	28	67	500/1000
376650060	6 x 0,50	7,40	32	76	500/1000
376650070	7 x 0,50	7,40	37	82	500/1000
376650100	10 x 0,50	9,40	51	112	500/1000
376650120	12 x 0,50	9,60	60	132	500/1000
376650190	19 x 0,50	11,50	90	197	500/1000
376650240	24 x 0,50	13,20	120	243	500/1000
376675020	2 x 0,75	6,00	19	49	500/1000
376675030	3 x 0,75	6,20	26	58	500/1000
376675040	4 x 0,75	6,60	33	71	500/1000
376675050	5 x 0,75	7,30	40	85	500/1000
376675060	6 x 0,75	7,90	47	100	500/1000
376675070	7 x 0,75	7,90	54	107	500/1000
376675100	10 x 0,75	10,10	75	150	500/1000
376675120	12 x 0,75	10,40	89	170	500/1000
376675190	19 x 0,75	12,30	138	255	500/1000
376675240	24 x 0,75	14,40	173	320	500/1000
376601020	2 x 1	6,40	23	57	500/1000
376601030	3 x 1	6,70	32	69	500/1000
376601040	4 x 1	7,20	41	87	500/1000
376601050	5 x 1	7,40	50	96	500/1000
376601060	6 x 1	8,70	60	119	500/1000
376601070	7 x 1	8,70	69	128	500/1000
376601100	10 x 1	11,10	97	192	500/1000
376601120	12 x 1	11,50	115	216	500/1000
376601190	19 x 1	13,40	180	315	500/1000
376601240	24 x 1	15,70	225	398	500/1000
376615020	2 x 1,5	7,00	33	69	500/1000
376615030	3 x 1,5	7,40	47	89	500/1000
376615040	4 x 1,5	8,00	61	109	500/1000
376615050	5 x 1,5	9,00	76	134	500/1000
376615060	6 x 1,5	9,70	90	160	500/1000
376615070	7 x 1,5	9,70	104	174	500/1000
376615100	10 x 1,5	12,40	147	245	500/1000
376615120	12 x 1,5	12,80	175	285	500/1000
376615190	19 x 1,5	15,10	274	435	500/1000
376615240	24 x 1,5	17,80	345	544	500/1000
376625020	2 x 2,5	8,50	49	98	500/1000
376625030	3 x 2,5	8,80	71	127	500/1000
376625040	4 x 2,5	9,60	93	159	500/1000
376625050	5 x 2,5	10,60	115	195	500/1000
376625060	6 x 2,5	11,70	137	236	500/1000
376625070	7 x 2,5	11,70	159	260	500/1000
376625100	10 x 2,5	15,00	225	364	500/1000
376625120	12 x 2,5	15,40	267	428	500/1000
376625190	19 x 2,5	18,30	423	650	500/1000
376625240	24 x 2,5	21,50	533	810	500/1000