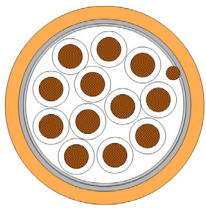


# RE-2G(St)H..CI (MULTICORE)

CU/SI/OSCR/LSZH..CI



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



## CONSTRUCTION

- 1 - Conductor** IEC 60228; DIN VDE 0295; EN 60228
- 2 - Insulation** EN 50363-1 EI2 SILICONE
- 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; RAL 2003\* ORANGE OR RAL 3000\* RED
- 8 - Sheath Colour**

## APPLICATION

-Indoor environments intensely populated by people where there is electromagnetic interference.

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
9. In applications where maintenance of circuit integrity in case of fire is required

## NOTES

**EMC\***: Electromagnetic compatibility

**CI\***: Fire Resistant

**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 2003 orange sheath\***: Inside of buildings

## 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		0,50 150		IEC 60332-3-24
0,75 24,5		0,75 150	- 30°C-+90°C	VDE0482-332-3-24
1,0 18,1	300	1,0 150	(FIXED LAYING)	EN 60332-3-24
1,5 12,1		1,5 150		BS EN 60332-3-24
2,5 7,41		2,5 150		

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		Cr./Cr.=2000 V	
0,75 25	0,75 13	300/500 V.	Cr./Scrm.=2000 V	7,5 X Cable Ø
1,0 25	1,0 16			
1,5 40	1,5 20			
2,5 60	2,5 25			

SMOKE DENSITY	TEST ON CORROSIVENESS OF COMBUSTION GASES	HALOGEN FREE TEST	FIRE RESISTANT TEST
IEC 61034-2	IEC 60754-2	IEC 60754-1	IEC 60331-21
VDE 0482-1034-2	VDE 0482-267-2-3	VDE 0482-267-2-1	IEC 60331-23
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	

## DESIGN STANDARDS

- PAS 5308-1
- EN 50288-7

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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)
381850020	2 x 0,50	5,60	14	45	500/1000
381850030	3 x 0,50	5,80	18	50	500/1000
381850040	4 x 0,50	6,30	23	58	500/1000
381850050	5 x 0,50	6,90	28	68	500/1000
381850060	6 x 0,50	7,40	32	78	500/1000
381850070	7 x 0,50	7,40	37	84	500/1000
381850100	10 x 0,50	9,40	51	115	500/1000
381850120	12 x 0,50	9,60	92	135	500/1000
381850190	19 x 0,50	11,50	115	201	500/1000
381850240	24 x 0,50	13,20	144	248	500/1000
381875020	2 x 0,75	6,00	19	50	500/1000
381875030	3 x 0,75	6,20	26	59	500/1000
381875040	4 x 0,75	6,60	33	72	500/1000
381875050	5 x 0,75	7,30	40	87	500/1000
381875060	6 x 0,75	7,90	47	102	500/1000
381875070	7 x 0,75	7,90	54	109	500/1000
381875100	10 x 0,75	10,10	75	152	500/1000
381875120	12 x 0,75	10,40	89	173	500/1000
381875190	19 x 0,75	12,30	138	260	500/1000
381875240	24 x 0,75	14,40	173	328	500/1000
381801020	2 x 1	6,40	23	58	500/1000
381801030	3 x 1	6,70	32	70	500/1000
381801040	4 x 1	7,20	41	88	500/1000
381801050	5 x 1	7,40	50	98	500/1000
381801060	6 x 1	8,70	60	121	500/1000
381801070	7 x 1	8,70	69	130	500/1000
381801100	10 x 1	11,10	97	192	500/1000
381801120	12 x 1	11,50	115	220	500/1000
381801190	19 x 1	13,40	180	322	500/1000
381801240	24 x 1	15,70	225	405	500/1000
381815020	2 x 1,5	7,00	33	70	500/1000
381815030	3 x 1,5	7,40	47	91	500/1000
381815040	4 x 1,5	8,00	61	111	500/1000
381815050	5 x 1,5	9,00	76	137	500/1000
381815060	6 x 1,5	9,70	90	165	500/1000
381815070	7 x 1,5	9,70	104	179	500/1000
381815100	10 x 1,5	12,40	147	253	500/1000
381815120	12 x 1,5	12,80	175	292	500/1000
381815190	19 x 1,5	15,10	274	445	500/1000
381815240	24 x 1,5	17,80	345	556	500/1000
381825020	2 x 2,5	8,50	49	100	500/1000
381825030	3 x 2,5	8,80	71	130	500/1000
381825040	4 x 2,5	9,60	93	163	500/1000
381825050	5 x 2,5	10,60	115	200	500/1000
381825060	6 x 2,5	11,70	137	243	500/1000
381825070	7 x 2,5	11,70	159	265	500/1000
381825100	10 x 2,5	15,00	225	374	500/1000
381825120	12 x 2,5	15,40	267	433	500/1000
381825190	19 x 2,5	18,30	423	665	500/1000
381825240	24 x 2,5	21,50	533	830	500/1000