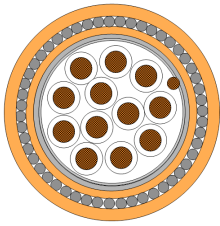


RE-2G(St)HSAH..CI (MULTICORE)

CU/SI/OSCR/LSZH/ SWA/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 - Inner Sheath** GALVANIZED ROUND STEEL WIRES
- 8 - Armour** EN 50290-2-27 LSZH COMPOUND
- 9 - Sheath** RAL 5015* BLUE; RAL 9005* BLACK;
RAL 2003* ORANGE OR
RAL 3000* RED
- 10 - 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 ² Ω/km	MΩxKm	mm ² 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 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./Scrm.=2000 V	10 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

RE-2G(St)HSWAH..CI (MULTICORE)

CU/SI/OSCR/LSZH/ SWA/LSZH..CI

CODE NR.	NUMBER OF CORE CROSS SECTION (mm ²)	COPPER WEIGHT (kg/km)	INNER SHEATH DIAMETER (mm)	OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
382250020	2 x 0,50	14	5,80	10,40	205	500/1000
382250030	3 x 0,50	18	6,00	10,60	217	500/1000
382250040	4 x 0,50	23	6,50	11,10	234	500/1000
382250050	5 x 0,50	28	7,10	11,90	266	500/1000
382250060	6 x 0,50	32	7,60	12,40	291	500/1000
382250070	7 x 0,50	37	7,60	12,40	300	500/1000
382250100	10 x 0,50	51	9,40	14,20	367	500/1000
382250120	12 x 0,50	92	9,60	14,40	405	500/1000
382250190	19 x 0,50	115	11,20	16,20	500	500/1000
382250240	24 x 0,50	144	13,00	18,00	608	500/1000
382275020	2 x 0,75	19	6,20	10,80	218	500/1000
382275030	3 x 0,75	26	6,40	11,00	235	500/1000
382275040	4 x 0,75	33	6,80	11,40	254	500/1000
382275050	5 x 0,75	40	7,50	12,30	296	500/1000
382275060	6 x 0,75	47	8,10	12,90	324	500/1000
382275070	7 x 0,75	54	8,10	12,90	333	500/1000
382275100	10 x 0,75	75	10,10	14,90	420	500/1000
382275120	12 x 0,75	89	10,40	15,20	450	500/1000
382275190	19 x 0,75	138	12,10	17,10	580	500/1000
382275240	24 x 0,75	173	14,00	19,00	680	500/1000
382201020	2 x 1	23	6,60	11,40	238	500/1000
382201030	3 x 1	32	6,90	11,50	258	500/1000
382201040	4 x 1	41	7,40	12,20	389	500/1000
382201050	5 x 1	50	7,60	12,40	310	500/1000
382201060	6 x 1	60	8,70	13,50	359	500/1000
382201070	7 x 1	69	8,70	13,50	368	500/1000
382201100	10 x 1	97	10,90	15,90	480	500/1000
382201120	12 x 1	115	11,30	16,30	519	500/1000
382201190	19 x 1	180	13,20	18,20	660	500/1000
382201240	24 x 1	225	15,30	21,20	911	500/1000
382215020	2 x 1,5	33	7,20	12,00	271	500/1000
382215030	3 x 1,5	47	7,60	12,40	298	500/1000
382215040	4 x 1,5	61	8,20	13,00	334	500/1000
382215050	5 x 1,5	76	9,00	13,80	380	500/1000
382215060	6 x 1,5	90	9,70	14,50	424	500/1000
382215070	7 x 1,5	104	9,70	14,50	438	500/1000
382215100	10 x 1,5	147	12,20	17,20	570	500/1000
382215120	12 x 1,5	175	12,60	17,60	621	500/1000
382215190	19 x 1,5	274	14,70	19,90	820	500/1000
382215240	24 x 1,5	345	17,20	23,30	1119	500/1000
382225020	2 x 2,5	49	8,50	13,30	326	500/1000
382225030	3 x 2,5	71	8,80	13,60	371	500/1000
382225040	4 x 2,5	93	9,60	14,40	417	500/1000
382225050	5 x 2,5	115	10,60	15,60	488	500/1000
382225060	6 x 2,5	137	11,50	16,50	548	500/1000
382225070	7 x 2,5	159	11,50	16,50	568	500/1000
382225100	10 x 2,5	225	14,60	19,80	758	500/1000
382225120	12 x 2,5	267	15,00	20,20	825	500/1000
382225190	19 x 2,5	423	17,70	23,80	1305	500/1000
382225240	24 x 2,5	533	20,70	27,00	1514	500/1000