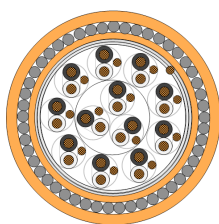
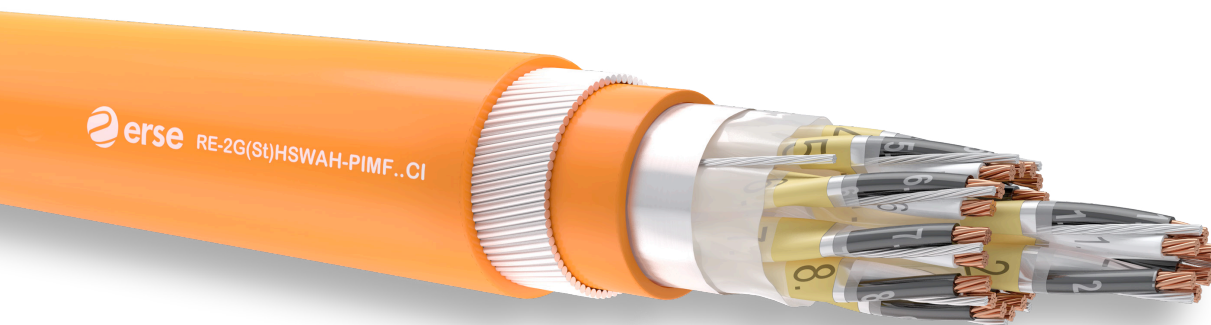


RE-2G(St)HswAH-PIMF..CI

CU/SI/PSCR/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** BS 5308-1 OR BLACK-WHITE
EACH PAIR NUMBERED
- 4 - Individual Screen** PES TAPE; TINNED DRAIN WIRE; AL-PES TAPE
- 5 - Stranding** PAIRWISE, SCREENED PAIRS IN LAYERS
- 6 - Wrapping** PES TAPE
- 7 - Overall Screen** TINNED COPPER DRAIN WIRE; AL-PES TAPE
- 8 - Inner Sheath** EN 50290-2-27 LSZH COMPOUND
- 9 - Armour** GALVANIZED ROUND STEEL WIRES
- 10 - Sheath** EN 50290-2-27 LSZH COMPOUND
- 11 - Sheath Colour** RAL 5015* BLUE; RAL 9005* BLACK;
RAL 2003* ORANGE OR
RAL 3000* RED

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	- 30°C-+90°C (FIXED LAYING)	IEC 60332-3-24
0,75 24,5		0,75 150		VDE0482-332-3-24
1,0 18,1	300	1,0 150		EN 60332-3-24
1,3 13,9		1,3 150		BS EN 60332-3-24
1,5 12,1		1,5 150		

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	300/500 V.	Cr./Cr.=2000 V	10 X Cable Ø
0,75 25	0,75 13		Cr./Scrn.=2000 V	
1,0 25	1,0 16			
1,3 40	1,3 18			
1,5 40	1,5 20			

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. Dry-moist and wet places, at indoor
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

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-PIMF..CI**CU/SI/PSCR/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)
382450020	2 x 2 x 0,50	32	9,10	14,00	340	500/1000
382450040	4 x 2 x 0,50	60	10,60	15,70	430	500/1000
382450060	6 x 2 x 0,50	88	12,60	17,70	615	500/1000
382450080	8 x 2 x 0,50	115	13,70	18,80	700	500/1000
382450100	10 x 2 x 0,50	143	16,20	22,00	980	500/1000
382450120	12 x 2 x 0,50	170	16,60	22,50	1050	500/1000
382450160	16 x 2 x 0,50	225	18,50	24,70	1250	500/1000
382450200	20 x 2 x 0,50	280	20,70	27,00	1450	500/1000
382450240	24 x 2 x 0,50	336	23,00	30,00	1680	500/1000
382475020	2 x 2 x 0,75	42	9,80	14,50	370	500/1000
382475040	4 x 2 x 0,75	79	11,40	16,50	475	500/1000
382475060	6 x 2 x 0,75	116	13,80	18,80	615	500/1000
382475080	8 x 2 x 0,75	154	14,80	20,00	700	500/1000
382475100	10 x 2 x 0,75	191	17,50	24,00	980	500/1000
382475120	12 x 2 x 0,75	228	18,20	24,50	1050	500/1000
382475160	16 x 2 x 0,75	302	20,50	26,50	1250	500/1000
382475200	20 x 2 x 0,75	377	22,50	29,00	1450	500/1000
382475240	24 x 2 x 0,75	451	25,20	32,00	1680	500/1000
382401020	2 x 2 x 1	51	10,50	15,50	411	500/1000
382401040	4 x 2 x 1	98	12,30	17,50	530	500/1000
382401060	6 x 2 x 1	145	14,80	20,00	695	500/1000
382401080	8 x 2 x 1	192	16,20	21,50	895	500/1000
382401100	10 x 2 x 1	239	19,00	25,00	1085	500/1000
382401120	12 x 2 x 1	285	19,60	26,00	1180	500/1000
382401160	16 x 2 x 1	379	21,80	28,20	1415	500/1000
382401200	20 x 2 x 1	473	24,50	31,00	1670	500/1000
382401240	24 x 2 x 1	566	27,40	35,00	2130	500/1000
382413020	2 x 2 x 1,3	63	11,30	16,50	455	500/1000
382413040	4 x 2 x 1,3	120	13,20	18,00	580	500/1000
382413060	6 x 2 x 1,3	179	15,90	21,00	875	500/1000
382413080	8 x 2 x 1,3	237	17,40	23,50	1010	500/1000
382413100	10 x 2 x 1,3	295	20,50	26,50	1210	500/1000
382413120	12 x 2 x 1,3	353	21,00	27,50	1320	500/1000
382413160	16 x 2 x 1,3	467	23,50	30,00	1600	500/1000
382413200	20 x 2 x 1,3	585	26,50	34,00	2050	500/1000
382413240	24 x 2 x 1,3	700	30,00	37,50	2420	500/1000
382415020	2 x 2 x 1,5	70	11,70	16,80	470	500/1000
382415040	4 x 2 x 1,5	135	14,00	19,00	615	500/1000
382415060	6 x 2 x 1,5	200	16,50	22,50	925	500/1000
382415080	8 x 2 x 1,5	265	18,00	24,00	1060	500/1000
382415100	10 x 2 x 1,5	331	21,00	27,50	1300	500/1000
382415120	12 x 2 x 1,5	396	22,00	28,00	1470	500/1000
382415160	16 x 2 x 1,5	526	24,50	31,00	1715	500/1000
382415200	20 x 2 x 1,5	657	27,50	35,00	2221	500/1000
382415240	24 x 2 x 1,5	787	31,00	39,00	2600	500/1000