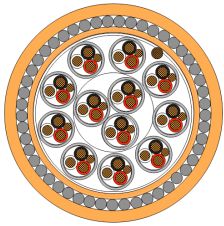
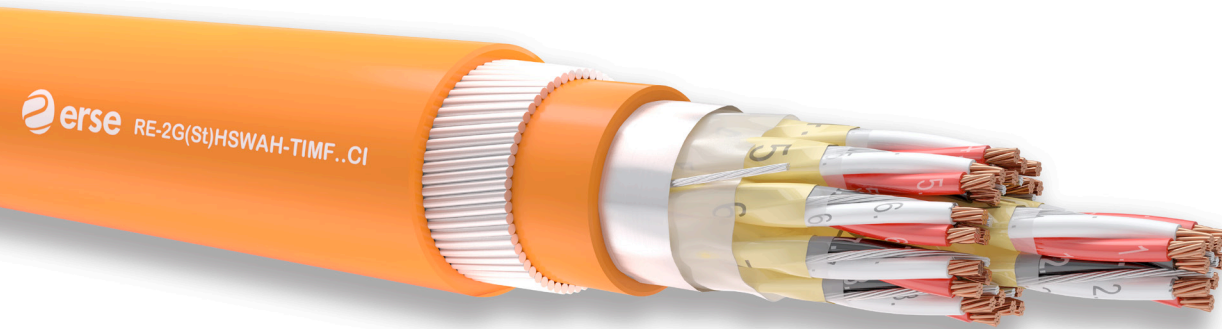


# RE-2G(St)HSAH-TIMF..CI

CU/SI/TSCR/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 E12 SILICONE
- 3 - Colour Code** BS 5308-1 OR BLACK-WHITE-RED  
EACH TRIAD NUMBERED
- 4 - Individual Screen** PES TAPE; TINNED DRAIN WIRE; AL-PES TAPE
- 5 - Stranding** SCREENED TRIPLES 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

## 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

## 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	- 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 <sup>2</sup>	μH/Ω	mm <sup>2</sup> 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			

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-TIMF..CI****CU/SI/TSCR/OSCR/LSZH/SWA/LSZH..CI**

CODE NR.	NUMBER OF CORE CROSS SECTION (mm <sup>2</sup> )	COPPER WEIGHT (kg/km)	INNER SHEATH DIAMETER (mm)	OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
382550020	2 x 3 x 0,50	42	10,40	15,00	385	500/1000
382550040	4 x 3 x 0,50	79	12,00	16,80	490	500/1000
382550060	6 x 3 x 0,50	116	14,30	19,10	630	500/1000
382550080	8 x 3 x 0,50	152	15,50	21,20	830	500/1000
382550100	10 x 3 x 0,50	189	18,30	24,20	1010	500/1000
382550120	12 x 3 x 0,50	225	18,90	24,80	1085	500/1000
382550160	16 x 3 x 0,50	299	21,00	27,40	1315	500/1000
382550200	20 x 3 x 0,50	373	23,40	29,50	1520	500/1000
382550240	24 x 3 x 0,50	447	26,20	33,00	1930	500/1000
382575020	2 x 3 x 0,75	55	11,10	15,90	430	500/1000
382575040	4 x 3 x 0,75	106	12,90	17,70	550	500/1000
382575060	6 x 3 x 0,75	157	15,50	21,20	845	500/1000
382575080	8 x 3 x 0,75	207	16,80	22,50	960	500/1000
382575100	10 x 3 x 0,75	258	19,80	25,70	1185	500/1000
382575120	12 x 3 x 0,75	308	20,50	26,40	1290	500/1000
382575160	16 x 3 x 0,75	410	22,80	28,90	1545	500/1000
382575200	20 x 3 x 0,75	511	25,40	31,70	1800	500/1000
382575240	24 x 3 x 0,75	611	28,80	36,00	2360	500/1000
382501020	2 x 3 x 1	70	11,90	16,70	485	500/1000
382501040	4 x 3 x 1	135	13,70	18,70	630	500/1000
382501060	6 x 3 x 1	200	16,60	22,30	960	500/1000
382501080	8 x 3 x 1	266	18,00	23,90	1130	500/1000
382501100	10 x 3 x 1	331	21,10	27,40	1370	500/1000
382501120	12 x 3 x 1	396	22,00	28,10	1480	500/1000
382501160	16 x 3 x 1	526	24,80	31,10	1800	500/1000
382501200	20 x 3 x 1	658	27,40	34,40	2300	500/1000
382501240	24 x 3 x 1	788	31,10	38,50	2740	500/1000
382513020	2 x 3 x 1,3	86	12,80	17,60	525	500/1000
382513040	4 x 3 x 1,3	168	15,00	20,00	760	500/1000
382513060	6 x 3 x 1,3	249	18,00	23,90	1140	500/1000
382513080	8 x 3 x 1,3	331	19,60	25,50	1340	500/1000
382513100	10 x 3 x 1,3	414	23,20	29,30	1620	500/1000
382513120	12 x 3 x 1,3	495	24,00	30,10	1820	500/1000
382513160	16 x 3 x 1,3	658	26,80	33,80	2450	500/1000
382513200	20 x 3 x 1,3	823	30,30	37,50	2830	500/1000
382513240	24 x 3 x 1,3	986	33,90	41,30	3320	500/1000
382515020	2 x 3 x 1,5	98	13,20	18,00	563	500/1000
382515040	4 x 3 x 1,5	191	15,40	20,40	760	500/1000
382515060	6 x 3 x 1,5	284	18,60	24,50	1152	500/1000
382515080	8 x 3 x 1,5	377	20,20	26,10	1340	500/1000
382515100	10 x 3 x 1,5	471	23,90	30,00	1620	500/1000
382515120	12 x 3 x 1,5	564	24,80	31,10	1820	500/1000
382515160	16 x 3 x 1,5	750	28,10	35,30	2450	500/1000
382515200	20 x 3 x 1,5	937	31,30	38,70	2830	500/1000
382515240	24 x 3 x 1,5	1123	35,00	42,60	3320	500/1000