



# (I)FSI(Cu) EMC PLUS

XLPE/FRNC copper energy cable, halogen-free, screened

COPPER 0,6/1 kV, SCREENED OR ARMoured

These cables are intended for the stationary distribution of electrical energy in dry or damp premises and for fixed installations in air or concrete. Suitable for hotels, hospitals, underground railways, airports etc. to protect people and technical building equipment in the event of fire if circuit integrity is not required. Not allowed for installations underground or in water.



## TECHNICAL DATA



**Standard**  
HD 604.5D



**Test Voltage**  
4 kV



**Rated Voltage**  
0,6/1 kV



**Bending radius (min.)**  
12 x Ø of cable



### Fire properties

EN 60332-1-2: self-extinguishing  
EN 60754-2: halogen-free, non-corrosive combustion gases  
EN 61034-2: low smoke emission  
EN 60332-3-22: reduced flame propagation



### Core identification

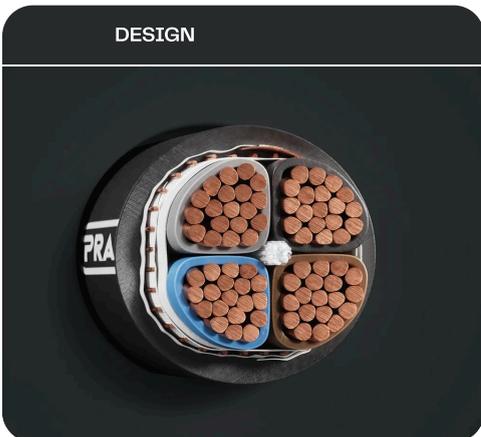
HD 308 S2



### Temperature range

Laying temperature: min. -5°C  
Operating temperature: -30°C up to 90°C  
Conductor temperature: max. 90°C

## DESIGN



- 1 Copper conductor, round solid (RE), round stranded (RM) resp. sector-shaped stranded (SM)
- 2 Core insulation (XLPE)
- 3 Inner covering (halogen-free tape and halogen free polymer compound)
- 4 Concentric screen (bare copper wires), counter helix (copper tape) and halogen-free plastic tape
- 5 Sheath (halogen-free polymer compound, black, UV-resistant)

Number of cores x nominal cross-section / cross-section of screen (mm <sup>2</sup> )	Max. conductor resistance (Ω/km)	Current rating in the air (A)	Outer diameter appr. (mm)	Total weight appr. (kg/km)
2 x 1.5 RE / 1.5	12.1	28	11.6	167
3 x 1.5 RE / 1.5	12.1	25	12.1	186
4 x 1.5 RE / 1.5	12.1	25	13.0	217
7 x 1.5 RE / 1.5	12.1	16	15.3	323
12 x 1.5 RE / 1.5	12.1	13	18.8	476
19 x 1.5 RE / 1.5	12.1	11	21.2	650
2 x 2.5 RE / 2.5	7.41	37	12.6	216
3 x 2.5 RE / 2.5	7.41	33	13.1	243
4 x 2.5 RE / 2.5	7.41	33	14.0	279
2 x 4 RE / 4	4.61	49	14.1	281
3 x 4 RE / 4	4.61	43	14.7	320
4 x 4 RE / 4	4.61	43	15.6	370
2 x 6 RE / 6	3.08	62	15.1	359
2 x 6 RM / 6	3.08	62	15.5	372
3 x 6 RE / 6	3.08	54	15.8	415
3 x 6 RM / 6	3.08	54	16.2	430
4 x 6 RE / 6	3.08	54	16.8	484
4 x 6 RM / 6	3.08	54	17.3	502
2 x 10 RE / 10	1.83	85	17.3	516
2 x 10 RM / 10	1.83	85	17.7	531
3 x 10 RE / 10	1.83	75	18.1	607
3 x 10 RM / 10	1.83	75	18.5	624
4 x 10 RE / 10	1.83	75	19.5	726
4 x 10 RM / 10	1.83	75	20.0	746
2 x 16 RM / 16	1.15	113	19.8	743
3 x 16 RM / 16	1.15	100	20.8	887
4 x 16 RM / 16	1.15	100	22.3	1055
3 x 25 RM / 16	0.727	136	24.3	1245
4 x 25 RM / 16	0.727	136	26.2	1504
3 x 35 RM / 16	0.524	165	26.6	1570
4 x 35 RM / 16	0.524	165	28.8	1919
3 x 50 SM / 25	0.387	201	27.7	1874
4 x 50 SM / 25	0.387	201	30.3	2358
3 x 70 SM / 35	0.268	255	32.0	2592
4 x 70 SM / 35	0.268	255	35.7	3344
3 x 95 SM / 95	0.193	314	36.3	3995
4 x 95 SM / 50	0.193	314	40.0	4481
3 x 120 SM / 70	0.153	364	38.6	4441
4 x 120 SM / 70	0.153	364	43.5	5640
3 x 150 SM / 70	0.124	416	42.4	5296
4 x 150 SM / 70	0.124	416	48.4	6774
3 x 185 SM / 95	0.099	480	47.0	6690
4 x 185 SM / 95	0.099	480	54.4	8560
3 x 240 SM / 120	0.075	565	51.7	8594
4 x 240 SM / 120	0.075	565	59.9	11011





**CONTACT PERSON**

**Ing. Štěpán Laštůvka**  
Product Supervisor  
+420 732 912 682  
[stepan.lastuvka@prakab.com](mailto:stepan.lastuvka@prakab.com)

