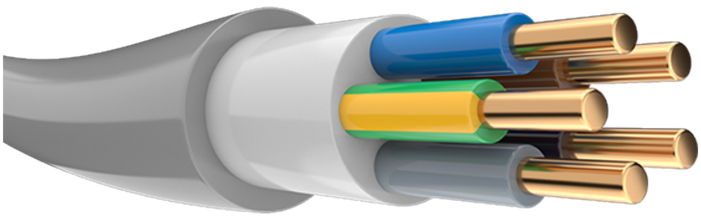
NHXMH (CU/XLPE/HFFR/HFFR)
XLPE INSULATED AND HFFR SHEATHED HALOGEN FREE, FLAME RETARDANT CABLES

APPLICATION

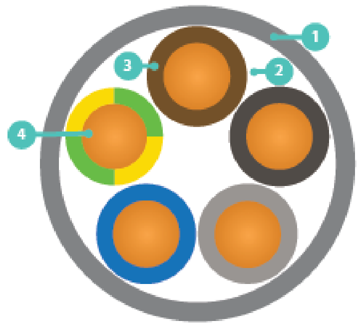
Used in refineries, hotels, schools, tunnels, high constructions, hospitals, power plants, data processing centers, populated business centers where there is a risk of fire.



ELVARE ELECTRICAL CABLE

STANDARD DIN VDE 0250-214

CONSTRUCTION



1 CONDUCTOR

Material of conductor — Solid or stranded copper (Class 1 or Class 2)

2 INSULATION

Material of insulation — XLPE (Cross-linked polyethylene)

3 FILLER

Material of filler — HFFR (Halogen free flame retardant)

4 OUTER SHEATH

Material of outer sheath — HFFR (Halogen free flame retardant)

TECHNICAL PROPERTIES

Min. Bending radius	12xD
Max operating temperature	90°
Max short circuit temperature	250°
Rated voltage Uo/U	300/500 V
AC test voltage	2 KV
Flame propagation test on single cable	EN 60332-3-24 Cat. C

TECHNICAL DATA

Rated Cross-section	Overall Diameter of Cable	Net Weight (Approx.)	Conductor DC Resistance at 20C	Current Carrying Capacity
mm²	mm	kg	ohm/km	ampere
2 Cores				In Ground
2 x 1,5	8,3	101	12,1	22
2 x 2,5	9,1	130	7,41	30
2 x 4	10,4	182	4,61	40
2 x 6	11,4	235	3,08	51
2 x 10	14,2	379	1,83	70
2 x 16	16,8	548	1,15	98
3 Cores				
3 x 1,5	8,7	118	12,1	22
3 x 2,5	9,6	157	7,41	30
3 x 4	11	224	4,61	40
3 x 6	12,4	303	3,08	51
3 x 10	15	475	1,83	70
3 x 16	18,2	711	1,15	98

4 Cores				
4 x 1,5	9,3	140	12,1	18,5
4 x 2,5	10,3	189	7,41	25
4 x 4	12,3	286	4,61	34
4 x 6	13,9	389	3,08	43
4 x 10	16,2	589	1,83	60
4 x 16	19,8	888	1,15	80
5 Cores				
5 x 1,5	10	165	12,1	18,5
5 x 2,5	11,1	224	7,41	25
5 x 4	13,1	353	4,61	34
5 x 6	15	467	3,08	43
5 x 10	17,6	714	1,83	60
5 x 16	21,9	1098	1,15	80