



YXZ1 - U, YXZ1-R / N2XH

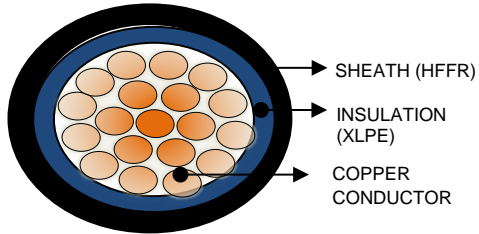
One Core / Copper Conductor / XLPE insulated / HFFR Sheath

Halogen Free Low Voltage Energy Cable

Rated Voltage: U_o/U; 0,6 / 1 kV

INTEKAR GLOBAL Corporation

Standard: TS HD 604 S1, TS IEC 60502-1, VDE 0276 - 604



Technical Data		Cable Structure	
Core temperature, max.	90°C in Operation	Conductor	IEC 60228 Class 1 - 2
Max. Short Circuit Temperature	250°C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	12 x D cable	Color of Insulation	Black or Blue
Max. Permissible Tensile	50 N/mm ²	Sheath	IEC 60502-1 HFFR
Rated current carrying capacity	Flat Formation	Color of Sheath	Black

Application

The N2XH power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. Usually are used in hotels, schools, high-rise buildings, hospitals, computing centers and business centers where people are concentrated. It is used in fire sensitive areas.

RE – solid round shaped conductor

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS			ELECTRICAL PROPERTIES				
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	–	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
1x4	RE	6,4	65	1000	4,61	66	56
1x6	RE	6,9	93	1000	3,08	82	71
1x10	RM	8,1	120	1000	1,83	109	96
1x16	RM	9,1	190	1000	1,15	139	128
1x25	RM	10,7	290	1000	0,727	179	173
1x35	RM	11,6	395	1000	0,524	213	212
1x50	RM	12,9	505	1000	0,387	251	258
1x70	RM	14,8	760	1000	0,268	307	328
1x95	RM	16,7	955	1000	0,193	366	404
1x120	RM	18,3	1195	1000	0,153	416	471
1x150	RM	20,3	1510	1000	0,124	465	541
1x185	RM	22,3	1840	1000	0,0991	526	626
1x240	RM	25	2340	1000	0,0754	610	749
1x300	RM	27,7	3010	1000	0,0601	689	864
1x400	RM	30,9	3920	1000	0,0470	788	1018
1x500	RM	34,8	4950	1000	0,0366	889	1173