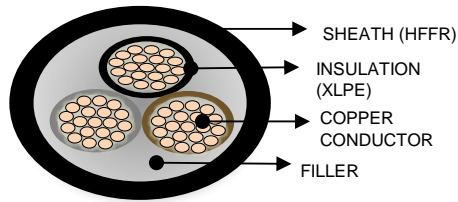




YXZ1 - U, YXZ1-R / N2XH
Three Cores / Copper Conductor / XLPE insulated / Filler / HFFR Sheath
Halogen Free Low Voltage Energy Cable
Rated Voltage: Uo/U; 0,6 / 1 kV
Standard: TS HD 604 S1, TS IEC 60502-1, VDE 0276 - 604

INTEKAR GLOBAL Corporation



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.	15 x D cable	Color of Insulation	Brown, Black, Grey
Max. Permissible Tensile	50 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	One system	Sheath	HFFR IEC 60502-1
		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
3x1.5	RE	11,6	155	1000	12,1	30	24
3x2.5	RE	12,4	205	1000	7,41	40	32
3x4	RE	13,4	245	1000	4,61	52	42
3x6	RE	14,5	345	1000	3,08	64	53
3x10	RM	17	510	1000	1,83	86	73
3x16	RM	19,2	690	1000	1,15	111	96
3x25	RM	22,7	1140	1000	0,727	143	130
3x35	RM	24,6	1510	1000	0,524	173	160
3x50	RM	27,3	1940	1000	0,387	205	195
3x70	RM	31,6	1980	1000	0,268	252	247
3x95	RM	35,9	3590	1000	0,193	303	305
3x120	RM	39,6	4510	1000	0,153	346	355
3x150	RM	44,2	5520	500	0,124	390	407
3x185	RM	48,9	6820	500	0,0991	441	469
3x240	RM	54,5	8910	500	0,0754	511	551
3x300	RM	60,7	11000	250	0,0601	580	638
3x400	RM	67,9	14150	250	0,0470	663	746