



INTEKAR GLOBAL Corporation

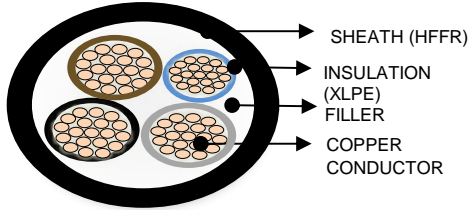
**YXZ1-R / N2XH**

**Multi Cores / Copper Conductor / XLPE insulated / Filler / HFFR Sheath**

**Halogen Free Low Voltage Energy Cable**

**Rated Voltage: U<sub>o</sub>/U; 0,6 / 1 kV**

**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 2
Max. Short Circuit Temperature	250°C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	15x D cable	Color of Insulation	Brown, Black, Grey, Blue
Max. Permessble Tensile	50 N/mm <sup>2</sup>	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. Usualy 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.

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 <sup>2</sup>	–	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
3x16 + 10	RM	20,6	840	1000	1,15	111	96
3x25 + 16	RM	24,3	1360	1000	0,727	143	130
3x35 + 16	RM	26,5	1660	1000	0,524	173	160
3x50 + 25	RM	30,2	2210	1000	0,387	205	195
3x70 + 35	RM	35,4	3120	1000	0,268	252	247
3x95 + 50	RM	39,9	4150	1000	0,193	303	305
3x120 + 70	RM	44,6	5100	500	0,153	346	355
3x150 + 70	RM	49	6150	500	0,124	390	407
3x185 + 95	RM	54,5	7700	500	0,0991	441	469
3x240 + 120	RM	61,1	10000	500	0,0754	511	551
3x300 + 150	RM	67,4	12350	250	0,0601	580	638