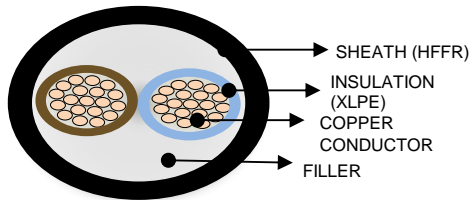




YXZ1 - U, YXZ1-R / N2XH
Two Cores / Copper Conductor / XLPE insulated / Filler / HFFR Sheath
Halogen Free Low Voltage Energy Cable
Rated Voltage: U₀/U; 0,6 / 1 kV
Standard: TS HD 604 S1, TS IEC 60502-1, VDE 0276 - 604

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, Blue
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
2x1.5	RE	11,1	155	1000	12,1	39	32
2x2.5	RE	11,9	190	1000	7,41	51	42
2x4	RE	12,8	235	1000	4,61	66	56
2x6	RE	13,8	300	1000	3,08	82	71
2x10	RM	16,2	425	1000	1,83	109	96
2x16	RM	18,2	615	1000	1,15	115	125
2x25	RM	21,4	940	1000	0,727	145	155
2x35	RM	23,2	1210	1000	0,524	175	195
2x50	RM	25,7	1490	1000	0,387	210	235
2x70	RM	29,5	2090	1000	0,268	255	300
2x95	RM	33,7	2770	1000	0,193	310	370
2x120	RM	37,2	3480	1000	0,153	355	430
2x150	RM	40,9	4280	1000	0,124	400	490
2x185	RM	45,6	5300	1000	0,0991	455	570
2x240	RM	50,9	6910	500	0,0754	530	680
2x300	RM	56,7	8520	500	0,0601	605	785
2x400	RM	63,2	10800	500	0,0470	690	860