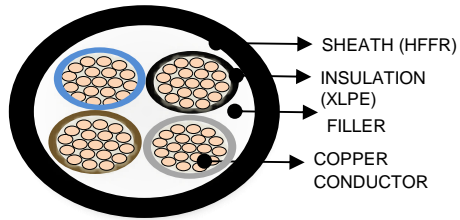




YXZ1 - U, YXZ1-R / N2XH
Multi Cores / Copper Conductor / XLPE insulated / Filler / HFFR Sheath
Halogen Free Low Voltage Energy Cable
Rated Voltage: U₀/U; 0,6 / 1 kV
Standard: TS HD 604 S1, TS IEC 60502-1, VDE 0276 - 604

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, Black, Grey, 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
4x1.5	RE	12,3	200	1000	12,1	30	24
4x2.5	RE	13,2	240	1000	7,41	40	32
4x4	RE	14,3	310	1000	4,61	52	42
4x6	RE	15,5	390	1000	3,08	64	53
4x10	RM	18,4	570	1000	1,83	86	73
4x16	RM	20,8	840	1000	1,15	111	96
4x25	RM	24,7	1250	1000	0,727	143	130
4x35	RM	26,9	1650	1000	0,524	173	160
4x50	RM	30,1	2200	1000	0,387	205	195
4x70	RM	35,3	3100	1000	0,268	252	247
4x95	RM	39,6	4150	1000	0,193	303	305
4x120	RM	44,4	5400	500	0,153	346	355
4x150	RM	48,9	7000	500	0,124	390	407
4x185	RM	54,2	8700	500	0,0991	441	469
4x240	RM	61,0	11300	250	0,0754	511	551
4x300	RM	67,4	13900	250	0,0601	580	638
4x400	RM	74,2	18000	250	0,0470	663	746