

NYMHY

CU/PVC /PVC



FLEXIBLE SMALL BENDING RADIUS / FLAME RETARDANT AND HYDROCARBON RESISTANT

Construction

Conductor: Class 5 flexible copper as per IEC 60228, BS EN 60228

Insulation: PVC insulation type T12 as per BS EN 50363. temperature rating 70 °C

Sheath: PVC type TM2 as per BS EN 50363 temperature rating 70 °C. (PVC rated 90 °C or 105 °C available upon request).

Core colour : HRN HD 308 S2 / VDE 0293-308

sheath colour: white or black

Special Features on Request

- Fire Resistance
- Oil Resistance
- Flame Retardant Cat. A, B, C

Technical data

Temperature range:

During installation :	+5 °C up to +70 °C
fixed installed:	-30 °C up to +70 °C
at short circuit of max.	5 s: up to 150 °C
ambient temperature at storage:	up to 40 °C

Nominal voltage: U₀/U = 450/750 V

Test voltage: 2000 V

Minimal inner bending radius:
4D for D < 8 mm
5D for 8 - 12 mm
6D for D > 12 mm

Behavior in fire: IEC 60332-1



APPLICATION

Flexible cable for dry areas, used for purposes requiring special flexibility in conditions free of any mechanical stresses. Permitted frequent bending and twisting. Specially suitable for application in small devices with low mechanical loads and for connection of light household devices such as kitchen appliances, desk lamps, ceiling lamps, vacuum cleaners, office machines, radios etc., as long as the cable is adapted to essential specifications of the device.

DESIGN STANDARDS

IEC 60227
HRN HD 21.5 S3
DIN VDE 0281 part 5

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300/500V(Generally as IEC 60227)

Code No.	Dimensions – number of cores x conductor cross- section	Construction of individual conductor nominal	External diameter min-max.	Insulation thickness nominal	Sheath thickness nominal	Conductor resistance at 20 °C max.	Cable weight approx.	Packing**
	mm ²	n x mm	mm	mm	mm	Ω/km	kg/km	
13275	2 x 0.75	24 x 0.195	5.7-7.2	0.6	0.8	26.0	52	c.100
13210	2 x 1.0	31 x 0.195	5.9-7.5	0.6	0.8	19.5	65	c.100
13215	2 x 1.5	31 x 0.23	6.8-8.6	0.7	0.8	13.3	90	c.100
13225	2 x 2.5	51 x 0.23	8.4-10.6	0.8	1.0	7.98	115	c.100
13240	2 x 4	83x0.23	10.2-10.6	0.8	1.0	4.95	183	c.100
13260	2 x 6	82x0.28	11.6-12.0	0.8	1.0	3.3	258	c.100
132100	2x10	70x0.395	15.4-15.8	1.0	1.3	1.91	442	c.100
132160	2x16	118x0.395	18.2-18.6	1.0	1.6	1.21	696	CUT
132250	2x25	186x0.395	22.2-22.6	1.2	1.6	0.78	965	CUT
13375	3 x 0.75	24 x 0.195	6.0-7.6	0.6	0.8	26.0	70	c.100
13310	3 x 1.0	31 x 0.195	6.3-8.0	0.6	0.8	19.5	80	c.100
13315	3 x 1.5	31 x 0.23	7.4-9.4	0.7	0.9	13.3	115	c.100
13325	3 x 2.5	51 x 0.23	9.2-11.4	0.8	1.1	7.98	175	c.100
13340	3 x 4	83x0.23	10.5-13.4	0.8	1.0	4.95	234	c.100
13360	3 x 6	82x0.28	12.5-12.9	0.8	1.3	3.3	321	c.100
133100	3x10	70x0.395	17.0-17.4	1.0	1.3	1.91	585	c.100
133160	3x16	118x0.395	19.4-19.6	1.0	1.6	1.21	811	CUT
133250	3x25	186x0.395	23.6-24.0	1.2	1.6	0.78	1238	CUT
13475	4 x 0.75	24 x 0.195	6.6-8.3	0.6	0.8	26.0	75	c.100
13410	4 x 1.0	31 x 0.195	7.1-9.0	0.6	0.9	19.5	92	c.100
13415	4 x 1.5	31 x 0.23	8.4-10.5	0.7	1.0	13.3	145	c.100
13425	4 x 2.5	51 x 0.23	10.1-12.5	0.8	1.1	7.98	210	c.100
13440	4 x 4	83x0.23	12.3-12.7	0.8	1.3	4.95	296	c.100
13460	4 x 6	82 x 0.28	14.7-15.0	0.8	1.3	3.3	480	c.100
134100	4x10	70x0.395	19.3-19.7	1.0	1.3	1.91	755	CUT
134160	4x16	118x0.395	21.7-22.1	1.0	1.8	1.21	998	CUT
134250	4x25	186x0.395	26.7-27.1	1.2	2.0	0.78	1586	CUT
13575	5 x 0.75	24 x 0.195	7.4-9.3	0.6	0.9	26.0	96	c.100
13510	5 x 1.0	31 x 0.195	7.8-9.8	0.6	0.9	19.5	113	c.100
13515	5 x 1.5	31 x 0.23	9.3-11.6	0.7	1.1	13.3	175	c.100
13525	5 x 2.5	51 x 0.23	11.2-13.9	0.8	1.2	7.98	260	c.100
13540	5 x 4	83x0.23	16.1-16.7	0.8	1.4	4.95	363	c.100
13560	5 x 6	82 x 0.28	16.7-16.9	0.8	1.3	3.3	585	c.100
135100	5x10	70x0.395	21.2-21.6	1.0	1.6	1.91	934	CUT
135160	5x16	118x0.395	24.0-24.4	1.0	1.8	1.21	1285	CUT
135250	5x25	186x0.395	29.4-29.8	1.2	2.0	0.78	1976	CUT

*)Packing: c.100 = coil 100 m, CUT= cable in different lengths on drum or reel, possible cutting at required