

H07RN-F

Cavi flessibili per energia , isolati in gomma con guaina speciale EM2 adatti per posa o collegamenti mobili per servizio meccanico anche gravoso - CEI 20-19 - 20-35 - CENELEC HD22.4.S4

Flexible power cable suitable for fixed lay, mobile link and mechanical service heavy too, rubber insulated with special sheath EM2 - CEI 20-19 - 20-35 - CENELEC HD22.4.S4.



Conduttore a corda flessibile di rame rosso.
Flexible red copper conductor.

Isolamento in mescola elastomerica EI4.
Elastomeric mixture insulation in EI4 quality.

Colori delle anime:

Unipolare: nero;

Bipolare: blu-marrone;

Tripolare: marrone-nero-grigio o G/V-blu-marrone;

Quadripolare: G/V-marrone-nero-grigio;

Pentapolare: G/V-blu-marrone-nero-grigio;

Multipolare per segnalamento: neri numerati con G/V.

Core colours:

Single core: black;

Two cores: blue-brown;

Three cores: brown-black-grey or Y/G-blue-brown;

Four cores: Y/G-brown-black-grey;

Five cores: Y/G-blue-brown-black-grey;

Multicores: black with numbers with Y/G.

Guaina speciale in qualità EM2.
Special sheath EM2 quality.

Tensione nominale: 450/750V
Nominal voltage: 450/750V

Temperatura massima di esercizio: +60° C
Maximum operating temperature: +60° C

U.T.V. S.r.l.

Via Roma, 74 – 20060 Cassina de Pecchi (MI)

P.IVA + C.F. 13040340153

Tel. +39.02.95299272 – Fax. +39.02.95344813

E-Mail: mail@utvcavi.com – www.utvcavi.com

Temperatura massima di corto circuito: +200 °C
Maximum short circuit temperature: +200 °C

Temperatura minima di posa: -25 °C
Minimum installation temperature: -25 °C

Raggio minimo di curvatura per diametro del cavo D in mm: servizio mobile 8 D; posa fissa 4 D.
Minimum bending radius per D cable diameter in mm: mobil service 8 D; fixed installation 4 D.

Condizioni di impiego: per installazioni in locali secchi, umidi o bagnati (AD6) all'aria aperta ed in officine. Utilizzabili per collegamenti soggetti a sollecitazioni meccaniche tipo: apparecchiature in officine industriali e agricole, grossi bollitori, piastre di riscaldamento, lampade portatili, utensili elettrici, motori o generatori trasportabili. Utilizzabili anche per installazioni fisse.

Main features: this cable is suitable for dry, humid or wet environments (AD6) in open air and in workshops. When used for connections they're subjected to medium mechanical stress like equipments in industrials and agricultural workshops, great boilers, heating plates, portable lamps, electric tools, motors or transportable generators. It can be used even in fixed laying.

U.T.V. S.r.l.

Via Roma, 74 – 20060 Cassina de Pecchi (MI)
P.IVA + C.F. 13040340153
Tel. +39.02.95299272 – Fax. +39.02.95344813
E-Mail: mail@utvcavi.com – www.utvcavi.com

H07RN-F

Numero conduttori	Sezione nominale	Diametro indicativo conduttore	Spessore medio isolante	Diametro est. indicativo di produzione	Peso indicativo del cavo	Resistenza Elettrica a 20°C [Ohm/km]		Portate di corrente con temp. amb. servizio mobile
Cores number	Cross section	Approx conductor diameter	Insulation medium thickness	Approx external production diameter	Approx cable weight	Electric resistance at 20°C [Ohm/km]		Current carrying capacities amb. temp. mobile service
[N°]	[mm²]	[mm]	[mm]	[mm]	[kg/km]	Rame stagnato Tinned copper	Rame rosso Red copper	[A]
1x	1.5	1.6	0.8	5.90	50	13.7	13.3	16
	2.5	2	0.9	6.50	65	8.21	7.98	25
	4	2.6	1	7.40	89	5.09	4.95	30
	6	3.4	1	8.10	115	3.39	3.3	38
	10	4.4	1.2	10.40	190	1.95	1.91	53
	16	5.7	1.2	11.62	259	1.24	1.21	71
	25	6.9	1.4	13.74	375	0.795	0.78	94
	35	8.1	1.4	15.35	492	0.565	0.554	117
	50	9.8	1.6	17.68	675	0.393	0.386	148
	70	11.6	1.6	20.00	908	0.277	0.272	185
	95	13.3	1.8	22.12	1171	0.21	0.206	222
	120	15.1	1.8	24.54	1445	0.164	0.161	260
	150	16.8	2	26.87	1783	0.132	0.129	300
	185	18.6	2.2	28.89	2125	0.108	0.106	341
240	21.4	2.4	32.62	2733	0.0817	0.0801	407	
300	23.9	2.6	36.46	3348	0.0654	0.0641	468	
2x	1	1.3	0.8	8.4	89.5	20	19.5	10
	1.5	1.6	0.8	9.10	109	13.7	1 3.3	18
	2.5	2	0.9	10.80	158	8.21	7.98	27
	4	2.6	1	12.40	217	5.09	4.95	34
	6	3.4	1	13.80	282	3.39	3.3	43
	10	4.4	1.2	19.37	539	1.95	1.91	60
	16	5.7	1.2	21.76	722	1.24	1.21	79
	25	6.9	1.4	25.93	1043	0.795	0.78	105
3G	1	1.3	0.8	9.07	110	20	19.5	10
	1.5	1.6	0.8	9.78	134	13.7	13.3	16
	2.5	2	0.9	11.58	196	8.21	7.98	25
	4	2.6	1	13.30	271	5.09	4.95	29
	6	3.4	1	14.78	355	3.39	3.3	36
	10	4.4	1.2	20.73	674	1.95	1.91	51
	16	5.7	1.2	23.26	913	1.24	1.21	67
	25	6.9	1.4	27.69	1324	0.795	0.78	89
	35	8.1	1.4	30.95	1754	0.565	0.554	110
	50	9.8	1.6	35.80	2409	0.393	0.386	138
	70	11.6	1.6	40.45	3211	0.277	0.272	172
	95	13.3	1.8	45.08	4210	0.24	0.206	204
	120	15.1	1.8	49.93	5205	0.164	0.161	238
	150	16.8	2	54.78	6389	0.132	0.129	273
185	18.6	2.2	58.99	7591	0.108	0.106	309	
240	21.4	2.4	67.85	9944	0.0817	0.0801	365	

U.T.V. S.r.l.

Via Roma, 74 – 20060 Cassina de Pecchi (MI)

P.IVA + C.F. 13040340153

Tel. +39.02.95299272 – Fax. +39.02.95344813

E-Mail: mail@utvcavi.com – www.utvcavi.com

H07RN-F

Numero conduttori	Sezione nominale	Diametro indicativo conduttore	Spessore medio isolante	Diametro est. indicativo di produzione	Peso indicativo del cavo	Resistenza Elettricaa 20°C [Ohm/km]		Portate di corrente con temp. amb. servizio mobile
Cores number	Cross section	Approx conductor diameter	Insulation medium thickness	Approx external production diameter	Approx cable weight	Electric resistance at 20°C [Ohm/km]		Current carrying capacities amb. temp. mobile service
[N°]	[mm²]	[mm]	[mm]	[mm]	[kg/km]	Rame stagnato Tinned copper	Rame rosso Red copper	[A]
4G	1	1.3	0.8	10.00	136	20	19.5	10
	1.5	1.6	0.8	10.76	166	13.7	13.3	16
	2.5	2	0.9	12.73	241	8.21	7.98	20
	4	2.6	1	14.63	336	5.09	4.95	30
	6	3.4	1	16.44	449	3.39	3.3	37
	10	4.4	1.2	22.57	833	1.95	1.91	52
	16	5.7	1.2	25.36	1138	1.24	1.21	69
	25	6.9	1.4	30.75	1714	0.795	0.78	92
	35	8.1	1.4	34.23	2204	0.565	0.554	114
	50	9.8	1.6	39.56	3029	0.393	0.386	143
	70	11.6	1.6	44.89	4121	0.277	0.272	178
	95	13.3	1.8	50.36	5361	0.21	0.206	210
	120	15.1	1.8	55.33	6546	0.164	0.161	246
	150	16.8	2	60.87	8095	0.132	0.129	282
185	18.6	2.2	65.70	9652	0.108	0.106	319	
240	21.4	2.4	75.50	12614	0.0817	0.0801	377	
5G	1	1.3	0.8	11.0	168	20	19.5	10
	1.5	1.6	0.8	11.80	206	13.7	13.3	16
	2.5	2	0.9	13.96	297	8.21	7.98	20
	4	2.6	1	16.25	422	5.09	4.95	30
	6	3.4	1	18.07	567	3.39	3.3	38
	10	4.4	1.2	24.75	1010	1.95	1.91	54
	16	5.7	1.2	28.01	1400	1.24	1.21	71
25	6.9	1.4	33.57	2096	0.795	0.78	94	
7x	1.5	1.6	0.8	14.75	315	13.7	13.3	16
	2.5	2	0.9	17.11	445	8.21	7.98	20
10x	4 (*)	2.6	1.0	19.64	618	5.09	4.95	25
	1.5	1.6	0.8	17.15	420	13.7	13.3	16
12x	1.5	1.6	0.8	18.9	493	13.7	13.3	16
	2.5	2	0.9	22.02	702	8.21	8.06	20
	4 (*)	2.6	1.0	25.77	1004	5.09	4.95	25
19x	1.5	1.6	0.8	22.07	710	8.21	13.4	16
	2.5	2	0.9	26.0	1030	13.7	8.06	20
24x	1.5	1.6	0.8	25.63	898	13.7	13.5	16
	2.5	2	0.9	30.38	1312	8.21	8.1	20
36x	1.5 (*)	1.6	0.8	29.3	1246	13.7	13.5	16
	2.5 (*)	2	0.9	35.0	1851	8.21	8.10	20

U.T.V. S.r.l.

Via Roma, 74 – 20060 Cassina de Pecchi (MI)

P.IVA + C.F. 13040340153

Tel. +39.02.95299272 – Fax. +39.02.95344813

E-Mail: mail@utvcavi.com – www.utvcavi.com