HH-DRAGCHAIN-PUR-C

Application

As data transmission, signal and supply cable for control devices and electric resourses in machine tools etc. for very high mechanical load conditions, compulsory guidance and extremele high alternate bending demands.
The PUR sheath exhibits a very good resistance against a lot of substances (oil, acids, lyes) and convinces through a high abrasion and cut resistance.
The oprimized shielding of the cable improves the signal transmission and reduces the radiated emission respectively cross interference (EMC)

Construction

1. Bare copper, according to DIN VDE 0295 cl.6, IEC 60228 cl.6, extra fine wire conductors.
2. Black cores with continuous white numbering.
3. Green/Yellow earth core in the outer layer from 3 cores and above.
4. Special core insulation, modified PP.
5. Cores stranded in layers with optimal selected lay-lenght.
6. Special full-polyurethane outer jacked TMPU to DIN EN 50363-10-2, black mat to prevent adhesion.
7. Optimized screening braiding of tinned copper wires.

Technical data

Temperature range	
Flexing:	-30°C…+80°C
Fixed:	-40°C…+80°C
Temperature at conductor:	+70°C in operation; +150°C in case of short-circuit
Nominal volage:	Uo/U: 300/500V
Testing voltage:	4000 V
Flameretardant:	DIN EN 60332-1-2
Oilresistant:	DIN EN 50363-10-2 and DIN EN 60811-2-1
Bending radius:	7.5 x cable diameter

Halogenfree and weatherresistant.

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Partnumber	Dimension n x mm²	Outer Ø ca. mm	Weight kg / km	Copper weight kg / km
47510204	2 x 0,5 mm²	-	68	33.0
47510304	3 G 0,5 mm²	-	81	45.5
47510404	4 G 0,5 mm²	6,3 ± 0,2	90	48.5
47510504	5 G 0,5 mm²	-	106	53.0
47510704	7 G 0,5 mm²	-	134	67.5
47511204	12 G 0,5 mm²	-	192	101.0
47511804	18 G 0,5 mm²	-	250	131.0
47512504	25 G 0,5 mm²	-	371	191.0
47510205	2 x 0,75 mm²	-	79	40.0
47510305	3 G 0,75 mm²	-	96	47.5
47510405	4 G 0,75 mm²	7,1 ± 0,3	114	58.0
47510505	5 G 0,75 mm²	-	125	65.0
47510705	7 G 0,75 mm²	8,7 ± 0,3	167	85.5
47511205	12 G 0,75 mm²	11,1 ± 0,3	235	126.0
47511805	18 G 0,75 mm²	-	336	199.0
47512505	25 G 0,75 mm²	-	466	260.5
47510206	2 x 1 mm²	-	93	45.1
47510306	3 G 1 mm²	-	105	55.0
47510406	4 G 1 mm²	-	128	68.0
47510506	5 G 1 mm²	-	147	81.2
47510706	7 G 1 mm²	-	198	106.0
47511206	12 G 1 mm²	-	301	175.0
47511806	18 G 1 mm²	-	420	242.5
47512506	25 G 1 mm²	-	576	330.0
47510207	2 x 1,5 mm²	7,2 ± 0,2	116	58.0
47510307	3 G 1,5 mm²	7,9 ± 0,2	139	76.0
47510407	4 G 1,5 mm²	8,5 ± 0,3	157	91.3
47510507	5 G 1,5 mm²	-	198	111.0
47510707	7 G 1,5 mm²	11,5 ± 0,3	252	145.0
47511207	12 G 1,5 mm²	13,8 ± 0,3	419	242.2
47511807	18 G 1,5 mm²	-	561	346.0
47512507	25 G 1,5 mm²	-	815	486.0
47510208	2 x 2,5 mm²	-	141	81.0
47510308	3 G 2,5 mm²	9,4 ± 0,3	197	110.0
47510408	4 G 2,5 mm²	10,8 ± 0,3	233	135.5
47510508	5 G 2,5 mm²	-	290	180.0
47510708	7 G 2,5 mm²	-	417	246.0
47511208	12 G 2,5 mm²	-	631	377.5
47511808	18 G 2,5 mm²	-	918	569.0
47512508	25 G 2,5 mm²	-	1274	765.7
47510409	4 G 4 mm²	11,9 ± 0,3	321	182.6
47510410	4 G 6 mm²	14,2 ± 0,3	468	247.9

Other type's and sizes on request

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