

PUR-JZ-HF-CY

Flexible, copper screened cables for drag chains, PUR-outer sheath, EMC*



Cable structure

- Fine stranded bare copper conductor, bunch stranded according to DIN VDE 0295, IEC 60228 cl. 6
- Core insulation of special PVC compound, resistant to oils, adapted to DIN VDE 0207 part 4
- Black cores with repeated white numbering according to DIN VDE 0293
- Green-yellow earth core in the outer layer (3 cores and more)
- Cores stranded in layers with optimal lay-length
- Fleece separator
- Inner PVC sheath resistant to oils
- One layer of tinned copper wire screening, approx. 85% coverage
- Special polyurethane outer sheath color grey, slip resistant outer insulation
- Flame retardant PUR, according to DIN VDE 0482 part 265-2-1/ EN 50265-2-1/ IEC 60332-1

Technical data

- Special PUR control cable according to DIN VDE 0245, 0281, 0282
- **Temperature range** flexing from -5 °C to +70 °C
fixed from -40 °C to +80 °C
- **Nominal voltage** U_0/U 300/500 V
- **Spark test** 6000 V
- **Test voltage a.c.** core/core 3000 V
core/screening 2000 V
- **Insulation resistance** min. 20 M Ω × km
- **Minimum bending radius** approx. 10× cable diameter
- **Radiation resistance** up to 100×10⁶ cJ/kg (up to 100 Mrad)

Application

PUR-JZ-HF-CY is a highly flexible cable with resistance to abrasion, mineral oils, coolants and microbes. Due to its characteristics this cable is ideal for use in most types of industrial machinery, steel works, rolling mills etc. This cable is designed for extreme situations. As a abrasion-resistant and highly flexible cable, it is easy and fast to install. This type of cable is designed for drag-chain use due to its small bending radius. As the cable is resistant to UV-radiation, ozone, oxygen and moisture, it is also suitable for open-air use. This screened cable is suitable for data and signal transmission free from interferences in measuring and controlling technics.

Note

*EMC = Electromagnetic compatibility – recommended type

CE = the product is conformed with the EC Low-Voltage Directive 73/23/EEC

OZ = version without green-yellow earth core

Conforms to RoHS.

Part No.	Number of cores × core cross-section [mm ²]	Approx. outer Ø [mm]	Copper weight [kg/km]	Approx. cable weight [kg/km]
0222400 OZ	2 × 0,5	7,5	47	90
0222401	3 × 0,5	7,8	52	104
0222402	4 × 0,5	8,2	55	123
0222403	5 × 0,5	9,9	65	131
0222404	7 × 0,5	10,0	84	172
0222405	8 × 0,5	10,7	110	195
0222406	10 × 0,5	11,3	115	230
0222407	12 × 0,5	12,5	117	250
0222408	14 × 0,5	13,2	148	280
0222409	18 × 0,5	14,5	157	321
0222410	21 × 0,5	14,9	183	380
0222411	25 × 0,5	16,8	227	445
0222412	30 × 0,5	18,4	275	509
0222413	34 × 0,5	18,6	305	560
0222414	42 × 0,5	20,0	373	780
0222415	50 × 0,5	21,7	444	960
0222416	61 × 0,5	23,0	541	1050
0222417 OZ	2 × 0,75	8,3	53	106
0222418	3 × 0,75	8,5	62	120
0222419	4 × 0,75	9,5	77	150
0222420	5 × 0,75	10,8	86	158
0222421	7 × 0,75	11,5	107	205
0222422	8 × 0,75	12,0	134	272
0222423	10 × 0,75	13,1	148	290
0222424	12 × 0,75	14,0	156	304
0222425	14 × 0,75	15,3	214	380
0222426	18 × 0,75	17,3	235	418
0222427	21 × 0,75	18,1	274	485

Part No.	Number of cores × core cross-section [mm ²]	Approx. outer Ø [mm]	Copper weight [kg/km]	Approx. cable weight [kg/km]
0222428	25 × 0,75	18,7	313	578
0222429	30 × 0,75	21,5	351	630
0222430	34 × 0,75	22,6	388	720
0222431	42 × 0,75	23,6	458	780
0222432	50 × 0,75	25,7	626	954
0222433	61 × 0,75	26,8	763	1085
0222434 OZ	2 × 1	10,0	60	116
0222435	3 × 1	10,2	70	135
0222436	4 × 1	11,0	86	178
0222437	5 × 1	11,8	99	188
0222438	7 × 1	12,7	125	235
0222439	8 × 1	13,8	140	270
0222440	10 × 1	14,6	178	340
0222441	12 × 1	15,5	186	358
0222442	14 × 1	16,7	250	415
0222443	18 × 1	18,0	280	500
0222444	21 × 1	19,4	328	525
0222445	25 × 1	21,0	378	678
0222446	32 × 1	23,1	450	777
0222447	34 × 1	24,0	478	825
0222448	41 × 1	25,4	576	980
0222449	42 × 1	26,4	590	998
0222450	50 × 1	27,6	702	1160
0222451	65 × 1	31,0	913	1670
0222452 OZ	2 × 1,5	10,5	79	141
0222453	3 × 1,5	10,8	94	164
0222454	4 × 1,5	11,5	113	220

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0222455	5 × 1,5	12,5	129	233
0222456	7 × 1,5	13,2	170	323
0222457	8 × 1,5	14,4	226	369
0222458	10 × 1,5	14,9	258	461
0222459	12 × 1,5	16,2	280	481
0222460	14 × 1,5	18,1	340	561
0222461	18 × 1,5	20,3	395	672
0222462	21 × 1,5	21,7	461	780
0222463	25 × 1,5	23,1	533	927
0222464	30 × 1,5	26,4	608	1030
0222465	34 × 1,5	27,4	702	1180
0222466	42 × 1,5	29,5	867	1458
0222467	50 × 1,5	31,6	1033	1857
0222468	61 × 1,5	33,9	1233	2250
0222469	65 × 1,5	35,0	1315	2401
0222470 OZ	2 × 2,5	11,8	96	185
0222471	3 × 2,5	13,0	150	278
0222472	4 × 2,5	14,0	174	370
0222473	5 × 2,5	15,1	200	412
0222474	7 × 2,5	16,2	240	470
0222475	12 × 2,5	21,0	410	738
0222476	14 × 2,5	23,4	480	870
0222477	18 × 2,5	25,7	620	1100
0222478	25 × 2,5	29,0	821	1512
0222479 OZ	2 × 4	15,4	135	235
0222480	3 × 4	15,8	178	350
0222481	4 × 4	17,3	222	460
0222482	5 × 4	19,0	328	550
0222483	7 × 4	21,0	360	700
0222484	3 × 6	19,5	250	525
0222485	4 × 6	21,0	305	700
0222486	5 × 6	23,0	441	800
0222487	7 × 6	24,0	505	1100
0222488	3 × 10	18,8	370	855
0222489	4 × 10	25,0	485	1140
0222490	5 × 10	26,4	610	1310
0222491	7 × 10	30,0	820	1630
0222492	4 × 16	28,0	840	1391
0222495	5 × 16	31,5	1050	1810
0222494	7 × 16	34,0	1510	2166

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