

Data and telephone Cables

PiDY CY(TP) Paired PVC data cable with pair-wise and overall copper screen



RoHS

Construction (케이블구성)

Conductor (도체)	bare copper strands with reference to DIN VDE 0812
Insulation (내피재질)	PVC, acc. to DIN VDE 0207 part 4
Core code (코어식별)	with reference to DIN 47100
Stranding (도체연합)	2 cores twisted to pairs
Screen (실드형식)	wrapped pair-wise with tinned copper wires
Inner sheath (중피)	pair-wise PVC acc. to DIN VDE 0207 part 5
Stranding (도체연선)	pairs in concentric layers
Wrapping	PETP foil
Screen (실드형식)	tinned copper braiding with a tinned copper drain wire (equal to conductor section)
Sheath material (외피재질)	PVC, acc. to DIN VDE 0207 part 5
Sheath colour (외피색상)	grey (RAL 7032)

Technical data (기술사양)

Peak operating voltage (최고사용전압)	250V
Testing voltage (시험전압)	1200V
Min. bending radius (곡률반경)	
fixed laying	5 x d
flexible application	10 x d
Capacitance	c/c 80 nF/km c/s 120 nF/km
Impedance	80 ohm(Ω)
Radiation resistance (내방사성)	8 x 10 ⁻⁷ cJ/kg
Temperature range (사용온도)	
fixed laying	-30/+70°C
flexible application	-5/+70°C
Fire performance (내화성관련)	flame retardant and self-extinguishing acc. to IEC 60332-1 + EN 50265-2-1 + VDE 0482 part 265-2-1
Oil resistance (내유성)	acc. to internal standard, 별첨 참조
Chem. resistance (내화성)	별첨 참조

Application (적용)

- ▶ PiDY CY (TP) 케이블은 통신상에 노이즈 간섭없이 완벽한 데이터 전송이 요구되는 곳에 적용한다.
- ▶ 전압이나 주파수에 의한 제어 시스템에서 인접한 신호사이의 급변하는 출력의 간섭 및 보호를 위하여 사용된다.

item no.	no. of pairs x cross section n x 2 x mm ²	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
04820201	2 x 2 x 0,14	8,1	34,8	74
04820301	3 x 2 x 0,14	9,2	44,1	99
04820401	4 x 2 x 0,14	9,9	53,6	117
04820601	6 x 2 x 0,14	11,1	71,0	158
04820801	8 x 2 x 0,14	13,7	112,1	241
04821001	10 x 2 x 0,14	14,8	127,5	259
04821201	12 x 2 x 0,14	15,0	147,5	285
04821401	14 x 2 x 0,14	15,7	162,7	317
04821601	16 x 2 x 0,14	16,7	204,5	380
04822401	24 x 2 x 0,14	19,8	285,8	530
04820202	2 x 2 x 0,25	8,4	40,2	85
04820302	3 x 2 x 0,25	9,4	52,5	113
04820402	4 x 2 x 0,25	10,6	67,0	144
04820602	6 x 2 x 0,25	12,1	108,2	207
04820802	8 x 2 x 0,25	14,9	138,6	294
04821002	10 x 2 x 0,25	16,0	183,2	325
04821202	12 x 2 x 0,25	16,5	205,2	361
04821402	14 x 2 x 0,25	17,4	225,8	400
04821602	16 x 2 x 0,25	18,7	256,5	459
04822402	24 x 2 x 0,25	21,3	348,0	620

item no.	no. of pairs x cross section n x 2 x mm ²	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
04820203	2 x 2 x 0,34	10,1	50,2	114
04820303	3 x 2 x 0,34	10,6	64,8	136
04820403	4 x 2 x 0,34	12,2	98,5	183
04820603	6 x 2 x 0,34	14,0	127,8	258
04820803	8 x 2 x 0,34	17,1	185,4	375
04821003	10 x 2 x 0,34	18,4	221,0	412
04821203	12 x 2 x 0,34	18,8	245,4	445
04821403	14 x 2 x 0,34	20,2	280,6	520
04821603	16 x 2 x 0,34	20,9	305,8	567
04822403	24 x 2 x 0,34	25,0	456,2	825
04820205	2 x 2 x 0,50	10,8	60,9	131
04820305	3 x 2 x 0,50	11,2	76,5	157
04820405	4 x 2 x 0,50	13,4	113,8	221
04820605	6 x 2 x 0,50	14,8	149,8	288
04820805	8 x 2 x 0,50	18,2	224,3	431
04821005	10 x 2 x 0,50	18,2	255,4	436
04821205	12 x 2 x 0,50	20,4	298,3	524
04821405	14 x 2 x 0,50	21,4	340,6	589
04821605	16 x 2 x 0,50	22,6	372,9	672
04822405	24 x 2 x 0,50	26,5	558,2	939

Other dimensions and colours are possible on request.