

### MULTI-CORE (VDE 0812,0814)



#### • **Construction**

- Multi wire copper conductor.
- Insulation PVC. (YI1)  
Colour codes according to [DIN 47100](#).
- Cores twisted in layers.
- Plastic foil wrap.
- Tinned copper braid shield.  
Coverage min.%80
- Grey PVC sheath. (YM2)

#### • **Application**

It is used in anywhere that particularly requires shielded cable such as computer system, electronic control and regulation gears, office machine and measurement devices, audio transmission lines.

It supports precise transmission by external electric effects reflecting screen.

#### • **Technical Data**

Temperature range  
flexing

- 5°C.....+70°C

static

-30°C.....+80°C

Bending radius

10 x cable diameter

#### **Electrical Characteristics**

(at 20°C)

Cross-section (mm <sup>2</sup> )	Rating Voltage (V)	Test Voltage (V)	Conductor Resistance max.(Ohm/km)	Rating Current max.(A)	Capacity 800 Hz (pF/m)
0.14	300	1200	148.0	1.5	120
0.25	300	1200	79.9	2.5	120
0.34	300	1200	57.5	4.5	130
0.50	350	2000	38.9	6.0	140
0.75	350	2000	26.0	13.0	150
1.00	350	2000	19.5	16.0	160
1.50	350	2000	14.0	20.0	170

**Insulation resistance ; min. 100MΩ x km**



Code no.	Cross-section	Overall diameter	Approx. weight	Standard length
	mm <sup>2</sup>	mm.Ø	kg/km	mt
				(18x0,10 mm.Ø)
31717102	2x0,14	3,8	21	100/5000
31717103	3x0,14	3,9	23	100/5000
31717104	4x0,14	4,2	28	100/3000
31717105	5x0,14	4,5	31	100/3000
31717106	6x0,14	5,0	38	100/2000
31717107	7x0,14	5,0	40	100/2000
31717108	8x0,14	5,4	46	100/2000
31717110	10x0,14	6,1	58	100/1000
31717112	12x0,14	6,5	65	100/1000
31717116	16x0,14	7,0	79	100/1000
31717118	18x0,14	7,6	91	100/1000
31717125	25x0,14	8,6	115	100/500
				(14x0,15 mm.Ø)
31717202	2x0,25	4,4	28	100/3000
31717203	3x0,25	4,6	33	100/3000
31717204	4x0,25	5,0	38	100/2000
31717205	5x0,25	5,2	44	100/2000
31717206	7x0,25	5,9	55	100/2000
31717207	6x0,25	5,9	58	100/2000
31717208	8x0,25	6,6	67	100/1000
31717210	10x0,25	7,2	82	100/1000
31717212	12x0,25	7,6	92	100/1000
31717216	16x0,25	8,4	115	100/500
31717218	18x0,25	9,0	129	100/500
31717225	25x0,25	10,4	171	100/500
				(7x0,25 mm.Ø)
31717302	2x0,34	4,8	34	100/3000
31717303	3x0,34	5,0	40	100/2000
31717304	4x0,34	5,5	48	100/2000
31717305	5x0,34	6,2	60	100/1000
31717306	6x0,34	6,8	72	100/1000
31717307	7x0,34	6,8	75	100/1000
31717308	8x0,34	7,4	87	100/1000
31717310	10x0,34	8,0	103	100/1000
31717312	12x0,34	8,6	115	100/500
31717316	16x0,34	9,5	144	100/500
31717318	18x0,34	10,1	160	100/500
31717325	25x0,34	11,6	211	100/500
				(16x0,20 mm.Ø)
31717502	2x0,50	5,4	42	100/2000
31717503	3x0,50	5,8	52	100/2000
31717504	4x0,50	6,4	66	100/1000
31717505	5x0,50	6,9	80	100/1000
31717506	6x0,50	7,6	94	100/1000
31717507	7x0,50	7,6	100	100/1000
31717508	8x0,50	8,5	118	100/500
31717510	10x0,50	9,3	141	100/500
31717512	12x0,50	10,0	161	100/500
31717516	16x0,50	11,0	200	100/500
31717518	18x0,50	11,8	231	100/500
31717525	25x0,50	13,7	302	100/500
				(24x0,20 mm.Ø)
31717702	2x0,75	6,0	56	100/2000
31717703	3x0,75	6,5	70	100/1000
31717704	4x0,75	7,0	85	100/1000
31717705	5x0,75	7,8	105	100/1000
31717706	6x0,75	8,6	125	100/500
31717707	7x0,75	8,6	132	100/500
31717708	8x0,75	9,4	150	100/500
31717710	10x0,75	10,3	184	100/500
31717712	12x0,75	11,2	216	100/500
31717716	16x0,75	12,3	268	100/500
31717718	18x0,75	12,9	302	100/500
31717725	25x0,75	15,6	418	100/500
				(32x0,20 mm.Ø)
31717802	2x1,00	6,4	65	100/1000
31717803	3x1,00	6,8	81	100/1000
31717804	4x1,00	7,4	100	100/1000
31717805	5x1,00	8,0	121	100/1000
				(30x0,25 mm.Ø)
31717902	2x1,50	7,4	88	100/1000
31717903	3x1,50	8,0	112	100/1000
31717904	4x1,50	8,8	140	100/500

