

## Construction

<b>Conductor</b>	<p><b>MATERIAL:</b> Bare annealed copper</p> <p><b>COMPOSITION:</b></p> <ul style="list-style-type: none"> <li>· Cross-sectional areas until 16mm<sup>2</sup>: Circular rigid conductor (Class I)</li> <li>· Cross-sectional of 25mm<sup>2</sup> : Stranded (Class II)</li> <li>· Cross-sectional areas until 240mm<sup>2</sup>: Stranded, sectorial shape (Class II)</li> </ul>
<b>Insulation</b>	<p>PVC (DIV4 Type)</p> <p>Identification: Acc. to HD308 (See attached table)</p>
<b>Assembly</b>	Insulated conductors laid up together
<b>Inner sheath</b>	PVC
<b>Screen</b>	<p>Copper wires concentric conductor + counter helix copper tape</p> <p>*The cross-sectional area of the screen is specified in the cable composition, after the cross sectional area of the conductors, separated by: /</p>
<b>Outer sheath</b>	<p>PVC (DMV5 Type) UV Resistant</p> <p>Colour: Black</p>

## Technical characteristics

<b>Operating voltage</b>	600/1000 V
<b>Test Voltage</b>	4000 V
<b>Operating T<sup>a</sup> (conductor)</b>	<p>Operating: -5°C +70°C</p> <p>*Minimum conductor T<sup>a</sup> (fixed service, permanent): -30°C</p> <p>During installation: -5°C MIn.</p>

## Application

Shielded cable by concentric conductor, designed for use in industrial processes in fixed installations with high levels of electromagnetic interferences, like power cable and control applications. Especially recommended for the connection of frequency inverters and motors.

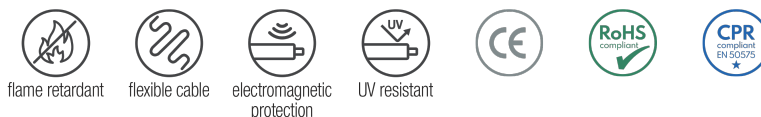
Suitable for indoor and outdoor installations. The concentric conductor must be used as neutral, protective conductor or ground conductor. Simultaneously, it is also allowed to use it as a screen.

\* CPR:

Cable suitable for installation under the requirements of CPR (Construction Product Regulation (EU) No. 305/2011) according to the classification (Euroclass) specified in this document.

## Standards

<b>Design</b>	VDE 0276-603
<b>Flame Retardant</b>	VDE 0482-332-1-2 (IEC 60332-1)
<b>CPR Classification (Euroclass)</b>	Eca
	(Acc. to UNE-EN 50575)
<b>Other characteristics</b>	UV Resistant



## Constructive Data

Code	NxS (mm2)	Ø (mm)	Weight (kg/km)	Rt (Ohm/Km)	I (A), 30°C	I (A) Und, 20°C	Rc (mm)	Ft (N)
	1x95/50	24	1761	0.193	270	281	360	4750
	1x240/10	32.6	4067	0.0754	432	462	489	12000
28480400	2x10/10	19.4	610	1.83	60	79	233	1000
28406100	2x16/16	20.4	840	1.15	80	102	245	1600
	2x25/16	24.4	1299	0.727	103	133	293	2500
28480600	2x25/25	25.1	1340	0.727	106	133	302	2500
	2x50/25	30.3	2045	0.387	160	190	0.387	5000
28481100	3x10/10	19.4	750	1.83	60	79	233	1500
28481200	3x16/16	21.4	1050	1.15	80	102	257	2400
28482100	3x25/16	25.5	1600	0.727	106	133	306	3750
28481300	3x25/25	25.5	1600	0.727	106	133	306	3750
28482200	3x35/16	27.6	1700	0.524	129	160	331	5250
28481400	3x35/35	25.7	1850	0.524	129	160	308	7500
28482300	3x50/25	28.7	2300	0.387	157	190	0.387	7500
28481500	3x50/50	28.7	2400	0.387	157	190	344	7500
28482400	3x70/35	32.8	2900	0.268	199	237	0.268	10500
28481600	3x70/70	33.8	3300	0.268	199	234	406	10500
28482500	3x95/50	37.8	4000	0.193	249	280	454	14250
28481700	3x95/95	37.8	4500	0.193	249	280	454	14250
28482600	3x120/70	40.8	5000	0.153	289	319	490	18000
28481800	3x120/120	41.8	5500	0.153	289	319	502	18000
28482700	3x150/70	45	6000	0.124	329	357	540	22500
28481900	3x150/150	46	6750	0.124	329	357	552	22500
28482800	3x185/95	50	7500	0.0991	377	402	600	27750
28482900	3x240/120	57	10000	0.0754	443	463	684	36000
28492100	3x300/150	60.5	11615	0.0601	511	535	726	60000
28483400	4x10/10	20.4	870	1.83	60	79	245	2000
28483500	4x16/16	23.4	1250	1.115	80	102	281	3200
28483600	4x25/16	27.6	1800	0.727	106	133	331	5000
28483700	4x35/16	28.6	2050	0.524	129	160	343	7000
28483800	4x50/25	32.8	2700	0.387	157	190	394	10000
28483900	4x70/35	36.8	3750	0.268	199	234	442	14000
28484000	4x95/50	43.9	5000	0.193	249	280	527	19000
28484100	4x120/70	47	5300	0.153	289	319	564	24000
28484200	4x150/70	51	7600	0.124	329	357	612	30000
28484300	4x185/95	56	9300	0.0991	377	402	672	37000
28484400	4x240/120	63	11600	0.0754	443	463	756	48000
	4x300/150	69.6	15331	0.0601	511	535	840	60000

### Legend

<b>Code</b>	Cervi codification
<b>NxS (mm2)</b>	Number of conductors x Section (mm2)
<b>Ø (mm)</b>	Aprox. outer diameter (mm)
<b>Weight (kg/km)</b>	Approximate cable weight (kg/km)
<b>Rt (Ohm/Km)</b>	Conductor resistance at 20°C (Ohm/km)
<b>I (A), 30°C</b>	Max. current capacity (A), air (Tª 30°C)

**I (A) Und, 20°C** Max. current capacity (A), underground. (T<sup>a</sup>20°C)  
**Rc (mm)** Minimum bending radius (mm)  
**Ft (N)** Max. Tensile strength, N (during installation)

## COLOUR CODE

N° CONDUCTORS	INSULATION COLOUR
2x	Blue, Brown
3x	Brown, Black, Grey
4x	Brown, Black, Grey, Blue