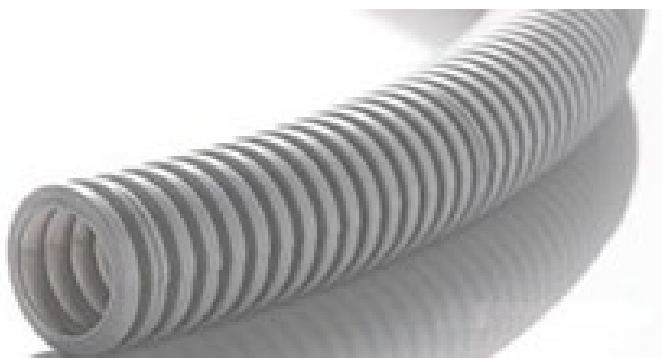


Flexible corrugated medium duty conduit 3331

Cat. No(s): 6 513 00 to 09



1. USE

Flexible conduits 3331 white, without wirepuller.

Conduits with straight circular section which profile is corrugated, insulating, non-flame propagating and elastic across the section, used for electrical installation.

2. RANGE

Flexible conduit 3331 white: Non-flame propagating

Ø	16	20	20	20	25	25	25	32	40	50
Roll (m)	50 m	10 m	25 m	50 m	10 m	25 m	50 m	25 m	25 m	25 m
Flexible conduit 3331 white	651 300	651 301	651 302	651 303	651 304	651 305	651 306	651 307	651 308	651 309

3. INSTALLATION

Installation according to local standards.

■ 3.1 Dimension of conduits

The internal dimensions of the conduits must allow pulling easily wires and cables after installing the system. This rule is fulfilled if the sum of insulated wires section (S_n), is inferior to 1/3 of the internal section of the conduit (S_i).

$$\Sigma S_n < S_i / 3$$

Ø	1/3 of the internal section $S_i / 3$ (mm ²)
16	30
20	52
25	88
32	155
40	255
50	410

3. INSTALLATION (cont.)■ **3.2 Fitting**

Embedded in structure	Surface monted	
Allowed after construction	Outside	Inside
	Allowed	Allowed

4. DIMENSIONS & WEIGHTS■ **4.1 Conduit**

Ø	16	20	25	32	40	50
Outside Ø (mm)	0 16 – 0.3	0 20 – 0.3	0 25 – 0.4	0 32 – 0.4	0 40 – 0.4	0 50 – 0.5
Minimum internal Ø (mm)	10,7	14,1	18,3	24,3	31,2	39,6
1/3 of the internal section Si/3 (mm ²)	30	52	88	155	255	410

■ **4.2 Packaging (roll)**

Ref	Ø	(m)	Outside Ø (mm)	Internal Ø (mm)	Width (mm)	Size (m3)	Weight (kg)
6 513 00	16	50	570	260	150	0.038	3.22
6 513 01	20	10	270	170	80	0.005	0.63
6 513 02	20	25	370	220	160	0.017	1.61
6 513 03	20	50	580	220	230	0.061	3.22
6 513 04	25	10	340	200	130	0.012	0.87
6 513 05	25	25	520	230	130	0.028	2.18
6 513 06	25	50	560	220	200	0.049	4.36
6 513 07	32	25	550	250	150	0.036	3.03
6 513 08	40	25	650	360	180	0.060	0.02
6 513 09	50	25	690	320	220	0.082	6

■ **4.3 Pallets**

Ref	Ø	(m)	Lenght (mm)	Width (mm)	Height (mm)	Size (m3)	Weight (kg)
651 300	16	3150	1130	1130	1200	1.53	213.98
651 302	20	1575	1100	1100	1260	1.50	113.76
651 303	20	2250	1150	1150	1300	1.72	156.71
651 305	25	900	1040	1040	1250	1.35	89.72
651 306	25	1200	1120	1120	1330	1.67	115.63
651 307	32	700	1100	1100	1150	1.39	96.13
651 308	40	300	1300	800	1230	1.28	64.42
651 309	50	250	1380	800	1250	1.38	71.84

Items 651301 & 651304 will be delivered in bulk

5. GENERAL CHARACTERISTICS

■ 5.1 Mechanical characteristics

- Index of protection: I.P. 68 (conduit only)
- Compression: 750 Newtons at + 23° C
- Impact: 2 joules at - 15° C
- Dielectric Strength: 2 000 Volts under 50 Hertz during 15 minutes
- Resistance greater or equal to 100 MΩ/m under 500 Vcc
- Very good resistance to acids, bases and to salines solutions
- Sensitive to aromatic hydrocarbons (e.g. benzene) and ketones (e.g. acetone)
- Temperature performances:
- Transport, use during installation:
 - ≥ - 15 °C.
 - ≤ + 60 °C
- Outdoor use in a UV environment possible
- Non-flame propagating
- Bending radius during tests:

Ø	16	20	25	32	40	50
Mini bending radius (mm)	48	60	75	96	160	200

■ 5.2 Material characteristics

Conduit: Polyvinyl chloride
Color: RAL 9003

■ 5.3 Lubrification

Easy passage of conductors and cables thanks to the lubrication of the 16, 20, 25 and 32 diameter conduits

The lubricant used has the following characteristics:

- insulating
- water-repellent
- does not grease the fingers
- does not dry out over time

6. STANDARDS & APPROVALS

■ 6.1 European standards:

EN 61386-1
EN 61386-22

Normative marking on the conduits (at least every 3m)

■ 6.2 Australia and New Zealand standards:

AS/NZS 2053.1
AS/NZS 2053.5

Marking sample on conduits:
EN 61386-22 LEGRAND 603

603: Factory id number