



Kabuflex R plus Typ 450 N450



Product description:

Kabuflex® R plus Typ 450 is a pliable PE-HD conduit, colour: black, zero halogen, structured-wall design with improved green inner surface for quick insertion of wires and cables. Additional feature is enhanced stability achieved due to high-quality materials used. It is corrugated on the outside and has one transparent coupling (sandtight).

This conduit it is suitable for use in high load environments, e.g. under roads, squares, underground, etc. Special couplings provide a sandtight (SD) connection of the conduits; a watertight (WD) connection of up to 0.5 bar can be achieved using a profile sealing ring. Kabuflex® R plus Typ 450 is delivered with a feed cord. An advantage is the very high compressive strength.



DIN EN 61386-24
Compressive strength: Type 450
Temperature range from -5 °C to +90 °C



Cat. No.:	Type	Inside Ø mm	Outside Ø mm	Content	PU	Weight PU/kg	Bend radius > mm
192 10 040	40	31	40	50	m	7,300	350
192 10 050	50	40	50	50	m	9,600	350
192 10 063	63	52	63	50	m	13,600	350
192 10 075	75	62	75	50	m	16,600	350
192 10 090	90	75	90	50	m	21,700	350
192 10 110	110	93	110	50	m	27,200	500
192 10 125	125	106	125	25	m	18,000	600
192 10 160	160	137	160	25	m	28,900	750
192 10 200	200	173	200	25	m	40,625	750

Standardisation

EN 61386-1:2008 + A1:2019 Conduit systems for cable management - Part 1: General requirements / Source: Official Journal of the European Union of 16 May 2014 / Applied in full

EN 61386-24:2010 Conduit systems for cable management - Part 24: Particular requirements - Conduit systems buried underground / Source: Official Journal of the European Union of 16 May 2014 / Applied in full

Outside diameter according to DIN EN 61386-24
Bend radius applies to an ambient temperature of 20 °C. In case of lower temperatures, we recommend that the minimum bend radius be increased as follows: by a factor of > 1.5 x at approx. 10 °C, by a factor of > 2 x at approx. 0 °C).
All dimensions without tolerances are for information only.

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Material properties		
Zero halogen	EN 50642	•
Low smoke	DIN EN 61034-2	
Non-flame propagating	DIN EN 61386-1	
UV-resistant	DIN EN ISO 4892-1	
Highspeed		

Fields of application		
on plaster		machines
under plaster		hot asphalt
on wood		under screed
underground installation	•	prefabricated construction
in concrete		outdoor

Chemical properties	
Resistant to	hydrochloric acid emissions, sulphuric acid emissions, liquid ammonia, gaseous ammonia, gasoline, diesel fuel, aqueous fertiliser salt, photographic developer, vinegar (wine vinegar), anti-freeze, fruit juices, aqueous uric acid, fuel oil, sea water, methanol, milk, mineral oil, vegetable and animal oils, paraffin, gaseous propane, hydrochloric acid, sulfuric acid, detergent
Limitedly resistant to	benzene, gaseous dry chlorine, nitric acid, terpentine
Not resistant to	-

Accessories		
Coupling	Kabuflex coupling transparent	192 50 ...
Coupling	Kabuflex coupling	199 10 ...
Sealing ring	Kabuflex profile sealing ring	199 80 ...
Wall lead through	Wall collar set	199 60 ...
End cap	Kabuflex SD end cap	199 70 ...
End cap	Kabuflex WD end cap	199 71 ...
Spacer	Spacer 2-fold	199 42 ...
Spacer	Spacer 4-fold	199 44 ...
Spacer	Spacer 6-fold	199 46 ...
Spacer	Spacer 8-fold	199 48 ...
Adaptor	Reducer	199 95 ...
Pressure sealing ring	Kabu-Seal	199 65 ...
internal seal	Kabu-IN	199 5 ...
internal seal	Kabu-IN DD	199 61 ...
end plug	Kabu-BV	199 50 ...

Risk analysis

The product has been manufactured and tested according to the harmonized standards 61386-1 and 61386-24 in the sense of harmonization legislation of the EU. All safety-relevant tests have been adhered to. This product poses no further risk.

Hotline

Since technical developments cannot be foreseen, electrical installations should provide the possibility to be expanded at any time.

Information can be obtained from our technical consultants at +49 9525 88-8123