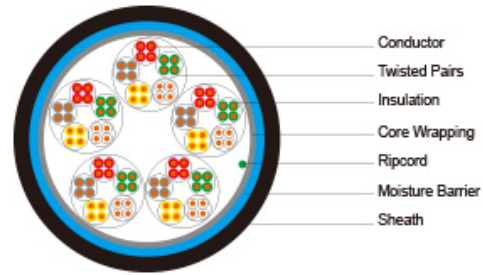


Foam Skin Insulated & LAP Sheathed Air Core/Jelly Filled Cables to DIN VDE 0816



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| Application | The cables are designed for use as connection between central offices. The cables are suitable for installation in ducts, direct burial in the ground and also for aerial installation with integral suspension strand. Jelly filled option is for subscriber's cables installed underground or along the edge of pavement. An armoured option is offered for direct burial installations. A figure-8 self support option is offered for aerial installation. |
| Standards | VDE 0816 |
| Construction | |
| Conductors: | Solid annealed bare copper 0.6 and 0.8mm as per class 1 of VDE 0295/IEC 60228 |
| Insulation: | Foam Skin which is a composite polyethylene insulation made of an inner cellular layer and an outer solid skin 2Y11 type as per VDE 0207-2 |
| Twisted Pairs: | Insulated conductors are twisted into pairs with varying lay length to minimize crosstalk |
| Cabling Element: | Star Quads |
| Cable Core Assembly: | 4 Cores are twisted into star quad. 5 star quads are stranded into a basic unit. 5 or 10 basic units each are stranded into one main unit. The star quads are grouped in units and stranded in layers to form the cable core. Standard make up is per VDE 0816 in the Cable Make Up Diagram |
| Core Wrapping: | One or more non-hygroscopic polyester tapes are helically or longitudinally laid with an overlap. These tapes furnish thermal, mechanical as well as high dielectric protection between shielding and individual conductors |
| Moisture Barrier: | A layer of aluminium tape (0.2mm) coated with PE-copolymer on one or both sides is applied longitudinally with overlap over the cable core to provide 100% electrical shielding coverage and ensure a barrier against water vapor |
| Sheath: | Black low density polyethylene type 2YM2 as per VDE 0207-3, being able to withstand exposure to sunlight, temperature variations, ground chemicals and other environmental contaminants Ripcord may be provided for slitting the sheath longitudinally to facilitate its removal |
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| Spare Pairs (optional): | Spare pairs may be incorporated for 200 and larger pair cables |
| Continuity Wire (optional): | Tinned copper drain wire may be longitudinally laid to ensure electrical continuity of the screen |
| Optional Construction | |

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| Jelly Filled Cable | The cable core interstices are filled with petroleum jelly to avoid longitudinal water penetration within the cable. The water resistant filling compound is applied to the air space between non-hygroscopic tape and shield, shield and sheath within the cable core |
| Armoured Cable | Steel wire armour or corrugated steel tape armour is applied over an optional inner polyethylene sheath. For steel tape version, the 0.2/0.5mm thick steel tape is coated with a copolymer and applied with an overlap. An outer polyethylene sheath is applied over the armour |

Type Codes

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| A- | Outdoor Cable |
| 02YS | Foam Skin insulation |
| F | Continuous core filling |
| (L)2Y | Laminated sheath(copolymer-coated aluminium tape laminated to PE outer sheath) |
| SR | Corrugated steel tape |
| b | Armouring |
| T | Messenger of galvanized steel wires |
| StIII | Star quad in local cables |
| Bd | Unit-type stranding |