

CHARACTERISTICS:

Breakoutcable are preterminated cables with more cores in one sheath. It is easier for mounting them when used in backbone-connections. They can be manufactured with an armor against rodend.



The universal breakout cable consists of 4 or more fiber optic cables. Each single cable has a 900µm coating. A layer of aramid yarn is placed around the core. The cable is completed with a outer sheath made of LSOH.

The cable can be produced with cascaded lengths at the end on custom request. This will avoid that all connectors are placed at the same end-position and to reduce the diameter for inserting into a tube or conduit. The length of the open ends are between 50-80cm. A special length can be given at special request.

The universal breakout cables are manufactured with an included splitting element which is covered by a black heat-shrinking tube. The cable can be ordered with a pre terminated pulling eye. Also a cable gland and a fiber-guide can be mounted to the cables on request. The fiber-guide can be screwed direct to a patch panel or splice tray

For the connectors you can choose between Multi Mode (OM1 - OM4) E2000, FC, LC, MT-RJ, MU SC or ST connectors and for Single Mode (OS2, with APC polish) E2000/A, FC/A, LC/A and SC/A. For the cable you can choose OM1, OM2, OM3 and OM4 for Multi Mode and OM2 for Single Mode.

PULLING EYE:

Preterminated Pulling Eye (optional):

The pulling eye is pre terminated on the universal breakout cable. It prevents the connectors to be damaged during installation in ducts or trays. It is transparent and very robust. It can be mounted on one side (standard mounting) or can be ordered for both end of the cable. The pulling eye is fixed on the cable's sheath. After the pulling-process the fixing can be cut and removed. If you order the cable with pulling eye the ends of the cable are cascaded. The maximum diameter of the pulling eye is 25mm. This has to be checked before inserting the cable in tubes. When ordering the breakout cable with pulling eye you have to order the pulling eye as separate part number (part no. 881000000).



Pulling eye for later installation (optional):

This kind of pulling eye can be mounted on the cable if you need it. It will be fixed on the outer sheath of the cable and prevents the connectors and fibers during installation in ducts or tubes. It is robust and re-usable. The customer can assemble it himself. The diameter of this kind of pulling eye is 40mm. The open end of the cable (fibers without the sheath) has a maximum length of 1.2m



When ordering the universal breakout cable you have to order this type of pulling eye separate (part no. 882000002)

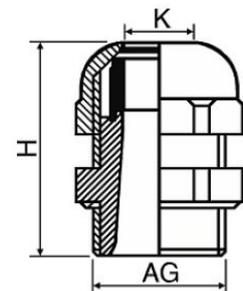
CABLE GLANDS:

PVC cable gland (optional)



The cable gland can be installed at the breakout cable. This is for easy mounting the cable to a patch panel or a slicing tray. The cable gland can be mounted on one end or on both ends of the cable. For the right dimension of the cable gland you can use the following table: n.

Part No.	AG	H (mm)	K (mm)
880101005	PG7	30	3.0-6.5
880102005	PG11	36	5.0-10.0
880103005	PG13.5	37	6.0-12.0
880104005	PG16	40	10.0-14.0
880105005	PG21	45	13.0-18.0



When ordering the breakout cable with a cable gland the cable gland has to be ordered with a separate order number (one per cable end).

Metal Fiber Guide (optional):



Universal breakout cables can be installed with a splitting element instead of the heat shrinking tube. The advantage by using the fiber guide is that the single fibers can enter the patch panel or splicing tray in a defined way and it also more robust as the shrinking tube. The fiber guide can be screwed onto most patch panels or splice trays. The fiber guide is available for 12, 24 od 48 fibers. For breakout cables with 24 or 48 fibers the fiber guide is premounted on the cable. For cables below 24 fibers the fiber guide can be ordered separate (part no. 880200009)

Technical details for the fiber guide:

	12 fibers	24 fibers	48 fibers
Outer diameter	21	27	33
Length	125	155	175
max. diameter of cable	7	10	13
Ø Diameter used for patch panel or slice tray	16	20	24
Screw	M12	M16	M20

APPLICATIONS:

- for short up to medium lengths in cable ducts or tubes
- can be used in a prevented tube for outdoor
- LAN-networks, video and voice

ORDERING INFORMATION:

Part No. 89vwxyz

Description Premium Line Fiber Optic Universal breakout cable

v mode 1: OS2 (Singlemode) 2: OM1 3: OM2 4: OM3 9: OM4

w number of fibers 1: 4 fibers 2: 8 fibers 3: 12 fibers 4: 24 fibers

x connector (side A) T: E2000 1: FC 2: LC 3: SC 4: ST 5: MTRJ 6: MU
for Singlemode OS2: 0: E2000/APC 7: FC/APC 8: LC/APC 9: SC/APC

y connector (side B) T: E2000 1: FC 2: LC 3: SC 4: ST 5: MTRJ 6: MU
for Singlemode OS2: 0: E2000/APC 7: FC/APC 8: LC/APC 9: SC/APC

zzz Length (m) e.g. 001=1m 020=20m 100=100m

Delivery on a roll (optional):

On custom request the breakout cable can be delivered on a roll (useful for lengths > 100m). This will do the handling and installation easier. Depending on the availability, the roll can be made of wood or carton. The roll has to be ordered separate during the ordering (part No. 880010000).

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