

Borg Technologies Product Application notes:

SUMMARY: INDOOR USE, HIGH STRENGTH, LONG DISTANCE

Breakout Style cable construction (BORG Ref p/n: xDKP-xx-xxxY or xDK-xx-xxxY)

Definition:

Breakout Cable – This is a cable construction for 2 or more fibers and incorporating optional additional strength components (aramid fiber and/or fiberglass center rod) and a robust up-jacket (outer jacketing). Subunits are patchcord style.

Application Description:

Trunk cabling that is installed in structural or dynamic environments. Generally placed in walls, ceilings, datacenter floors, elevator shafts, conduits and robotic devices. This construction favors dynamic environments with vibration, movement, and repetitive flexing. Usually specified in cables over 50 ft in length because of the greater linear pull strength specification that it is incorporated into the design.

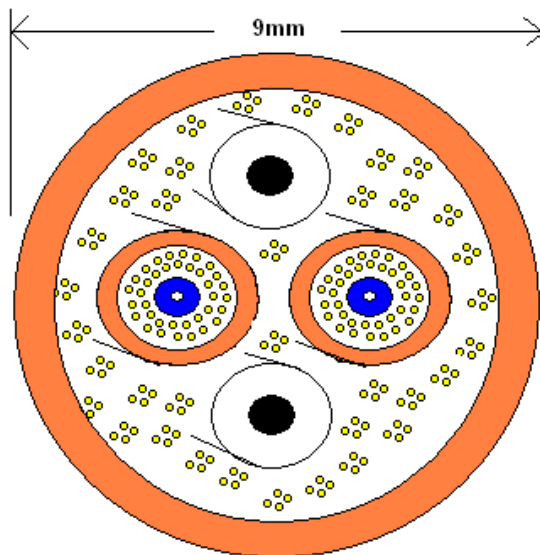
Environmental Considerations:

Indoors implementation only. No exposure to extreme temperatures, water, chemicals, or UV light (sunlight as well). OFNP rated products are permissible in air handling spaces such as office ceilings and data center floors.

Usage Recommendations:

Implement this cable type for longer length cable runs in building infrastructure or in dynamic production environments.

This is the minimum cable type recommended for hi-flexing, hi-stress, or constant movement such as robotic type mechanical devices.



Duplex (2 fiber) Breakout Style Cable
Cross section diagram

*not to scale