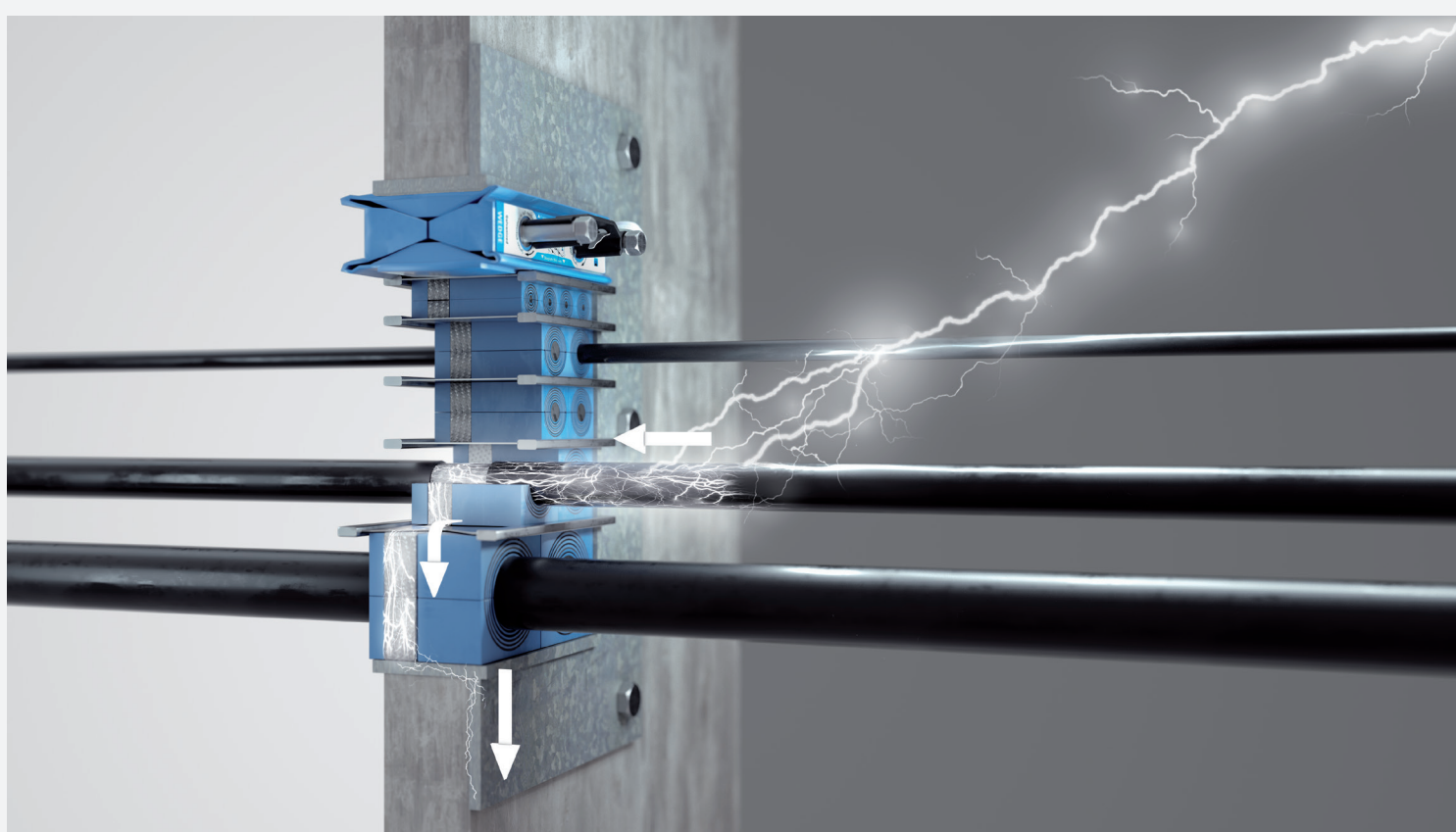


# Roxtec EMC sealing solutions

Roxtec cable and pipe seals ensure safety, efficiency and operational reliability. Installed in walls, floors, bulkheads, decks, cabinets and enclosures, they protect against risks factors such as fire, gas and water – and the three EMC product lines add electrical safety and protection against electromagnetic interference and lightning strikes.

Roxtec EMC sealing solutions provide a circumferential contact area around the cable armor/screen to create a low impedance path to earth. The width and mass of

the ground path are optimized for the application. The shielded version includes a high frequency barrier that captures and diverts signals transmitted through air.

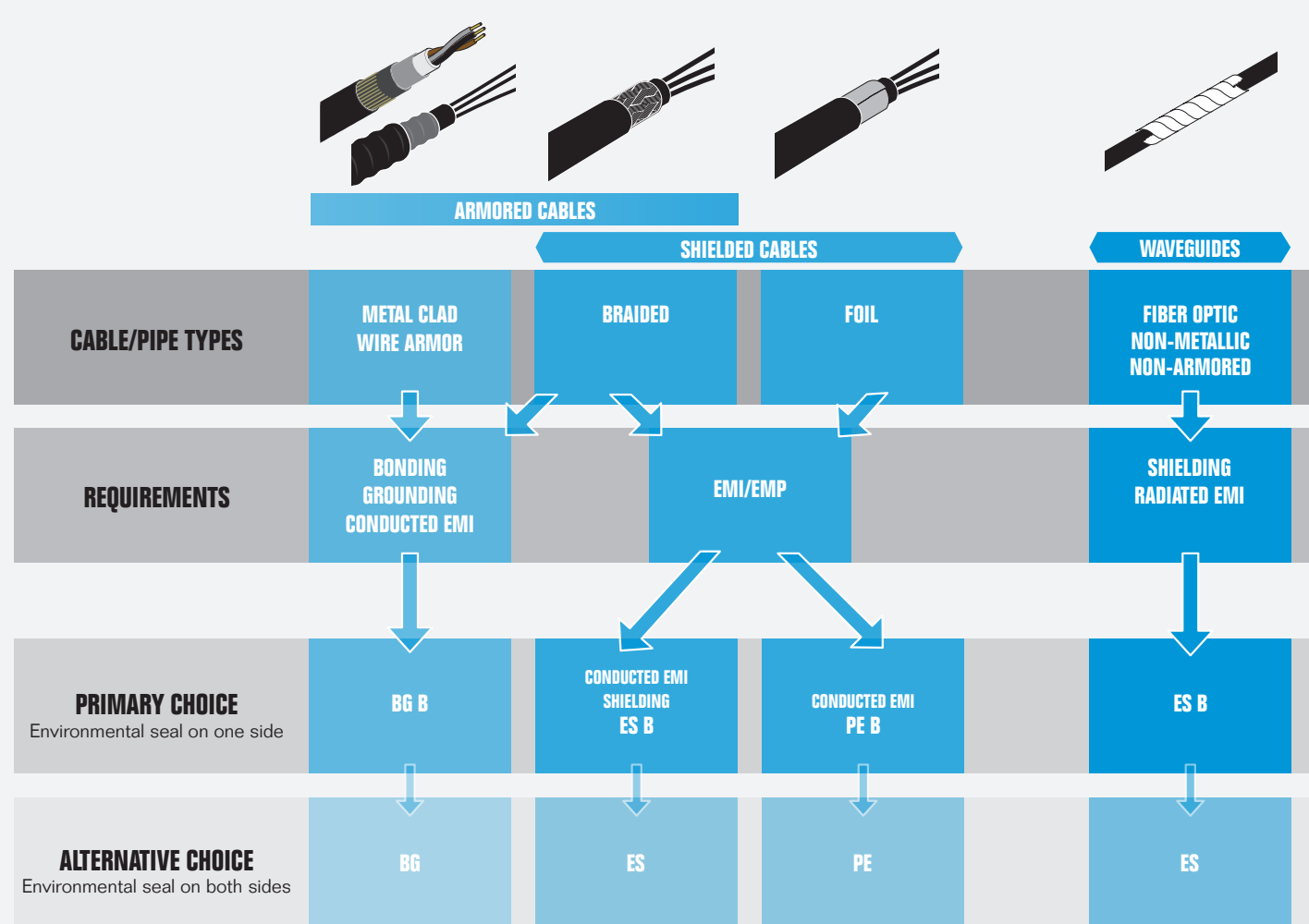


Roxtec BG™	Roxtec ES	Roxtec PE
<p><b>Roxtec BG™</b> (bonding and grounding) system provides electrical safety by handling high currents. It uses a heavy-duty braid in the sealing modules to efficiently bond and ground armored or shielded cables. It has high current withstand capability for short-circuit and surge currents.</p>	<p><b>Roxtec ES</b> system provides electromagnetic shielding. It combines a wide conductive tape with an RF shield in the sealing modules to block and divert high frequency radiated and conducted electromagnetic interference (EMI) and pulses (EMP).</p>	<p><b>Roxtec PE</b> system provides protection against disturbances carried by the cable screens or metal pipes. It uses a wide conductive tape in the sealing module to cover 360° of the cable shield providing excellent performance for EMI applications. Protects against conducted EMI.</p>

## EMC sealing system selection guide

The selection of EMC solution can be based on the need for protection and the type of cable used. If the application uses

armored cables, the BG system is recommended. If the cables are shielded, either the ES or the PE system should be used.



Pipes can use any module type depending on protection required