

—
PRODUCT SHEET

Carlton[®] non-metallic expansion/deflection coupling



Carlton® non-metallic expansion/deflection coupling

Innovative design improves safety and saves labor time.



Axial expansion from relaxed position



Axial contraction from relaxed position



Parallel deflection



Angular deflection

Use the Carlton non-metallic expansion/deflection coupling to join two rigid PVC conduit runs in applications requiring movement in any direction at structural joints. It provides a flexible connection, safely accommodating axial or parallel deflection of up to 3/4" and angular deflection of up to 30° from relaxed position.

This coupling meets the requirements of 2014 National Electrical Code (NEC) Article 300.4(H) for use where a raceway crosses a structural joint intended for expansion, contraction or deflection in buildings, bridges, parking garages and similar structures.

- Suitable for use indoors, outdoors, direct burial or embedded in concrete in bridges, piers, parking garages, overhead walkways, hospitals and other buildings
- Flexible neoprene outer jacket with tamper-proof stainless steel straps ensures superior protection and corrosion resistance suitable for wet locations

- Inner sleeve provides a constant, smooth inner diameter in any position to ease wire pulling and prevent wire insulation damage
- Up to five times faster to install than the traditional method
- Up to 5-to-1 SKU reduction
- Can be used with Schedule 40 and Schedule 80 rigid PVC conduit
- UV resistant
- Patent pending

Listings/compliances

- cULus listed
- CSA certified to CSA C22.2 No. 85
- 2014 NEC Article 300.4(H) compliant

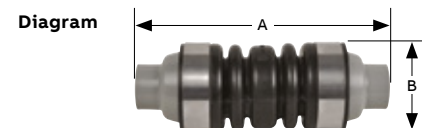
Materials/finishes

- Coupling ends: smooth gray PVC
- Inner sleeve: smooth gray PVC
- Outer jacket: natural black molded neoprene
- Jacket straps: stainless steel

Carlton non-metallic expansion/deflection coupling



Cat. no.	Trade size (in.)	Dimension A (in.)	Dimension B (in.)	UPC no.
XD1NM	1/2	7.28	2.40	034481-02041
XD2NM	3/4	7.36	2.66	034481-02043
XD3NM	1	7.66	2.96	034481-02042
XD5NM	1 1/2	8.26	3.60	034481-02044
XD6NM	2	9.14	4.34	034481-02045
XD7NM	2 1/2	10.75	5.15	034481-02046
XD8NM	3	11.36	5.60	034481-02047
XD10NM	4	12.25	7.17	034481-02048



*Add 0.25" to O.D. clearance for strap buckle

ABB Inc.
Electrification Products
860 Ridge Lake Blvd.
Memphis, TN 38120

Customer Service: 800-816-7809
Technical Support: 888-862-3289

abb.com/lowvoltage

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB Inc. does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction or utilization of its contents – in whole or in parts – is forbidden without prior written consent of ABB Inc. Copyright© 2018 ABB All rights reserved