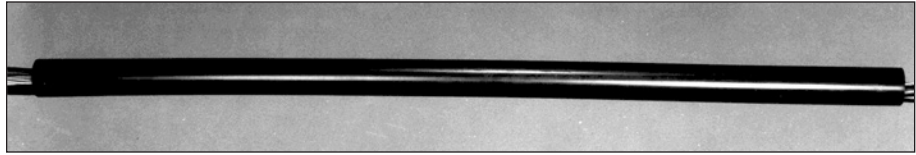


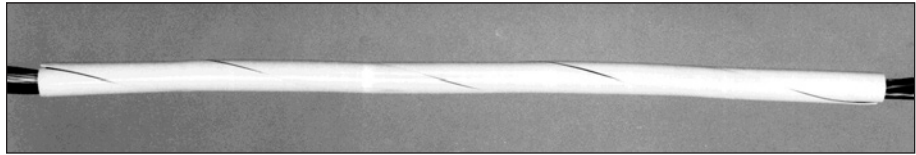


Tree Guards

NOMENCLATURE



POLYETHYLENE
Slit Longitudially



PVC
Spiral Slit

Length: Standard lengths are shown in separate tables on the catalog pages.
Wall Thickness: Provides a barrier, preventing physical contact with the conductor or its covering.
Color: PVC = Light Gray
Polyethylene = Black

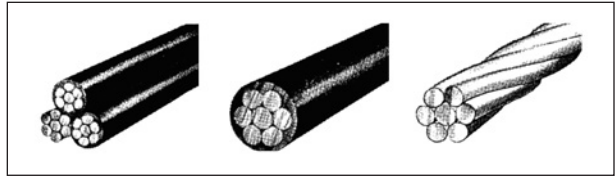
GENERAL RECOMMENDATIONS

PROTECTION. Tree Guards are designed to protect bare conductors and fabric or plastic covered cables against mechanical abrasion caused by tree limbs or other obstructions.

MATERIAL. Tree Guards are manufactured from a high-impact polyvinyl chloride or polyethylene. These materials are resistant to extreme abrasion and have strong weathering endurance. Although the plastics have high dielectric properties, Tree Guards are not designed for insulation purposes.

LENGTHS. PVC Tree Guards come in 3 ft. and 6 ft. lengths and Polyethylene Tree Guards come in 8 inch and 6 ft. lengths. Tree Guards can be butted together with other tree guards of like materials to achieve a combination of lengths.

SIZE SELECTION. Tree Guard size is determined by the effective diameter of single or grouped conductors. To select the proper size for two or more conductors, arrange the cables to provide a bundle with the smallest possible diameter. The diameter of this bundle, when located within a range on the catalog page, will provide the proper size Tree Guard.



SAFETY CONSIDERATIONS

1. This product may be reused if in good condition.
2. This product is intended for use by trained craftspeople only. This product **SHOULD NOT BE USED** by anyone who is not familiar with and trained in the use of it.
3. When working in the area of energized lines with this product, **EXTRA CARE** should be taken to prevent accidental electrical contact.
4. For **PROPER PERFORMANCE AND PERSONAL SAFETY** be sure to select the proper size **PREFORMED™** Tree Guards before application.
5. **PREFORMED™** Tree Guards are precision devices. To insure proper performance, they should be stored in cartons under cover and handled carefully.

Tree Guards

Tree Guards

PREFORMED™ Tree Guards are designed to protect bare conductors, fabric-covered or plastic-covered cables and fiber optic cables against mechanical abrasion caused by tree limbs or other obstructions. Tree Guards provide fast, easy application without disconnecting the wire. Tree guards are applied around the wire, and taped at each end.

Polyethylene – Slit Longitudinally

Catalog Number	Diameter Range		Units Per Carton	Wt./Lbs. Per Carton
	Min.	Max.		
Tree Guards 6 Ft. (1.8 m) Length				
PTG-0201	.238"	.500"	150	46
PTG-0203	.501"	.1.00"	60	39
PTG-0205	1.01"	1.50"	25	25
PTG-0207	1.51"	2.00"	20	26
PTG-0208	2.01"	3.00"	12	25
Tree Guards 8 In. (203 mm) Length				
PTG-0200	.238"	.500"	1,000	35
PTG-0202	.501"	1.00"	500	34
PTG-0204	1.01"	1.50"	250	30
PTG-0206	1.51"	2.00"	175	25

These guards are black in color.

PVC – Spiral Slit

Catalog Number	Diameter Range		Length	Wall Thickness	Units Per Carton	Wt./Lbs. Per Carton
	Min.	Max.				
Tree Guards 6 Ft. Length						
PTG-0104	.267"	.297"	6'	1/16"	100	26
PTG-0107	.296"	.328"	6'	1/16"	100	28
PTG-0113	.359"	.389"	6'	1/16"	100	32
PTG-0116	.390"	.421"	6'	1/16"	100	34
PTG-0122	.454"	.478"	6'	1/16"	75	30
PTG-0125	.479"	.511"	6'	1/16"	75	32
PTG-0128	.512"	.542"	6'	1/16"	75	32
PTG-0137	.599"	.641"	6'	5/64"	75	48
PTG-0140	.642"	.706"	6'	5/64"	75	52
PTG-0143	.707"	.762"	6'	3/32"	50	46
PTG-0146	.763"	.820"	6'	3/32"	50	48
PTG-0149	.821"	.882"	6'	3/32"	50	52
PTG-0152	.883"	.947"	6'	3/32"	50	56
PTG-0155	.948"	1.010"	6'	3/32"	50	58
Tree Guards 3 Ft. Length						
PTG-0118	.422"	.453"	3'	1/16"	100	20
PTG-0121	.454"	.478"	3'	1/16"	100	20
PTG-0130	.543"	.568"	3'	5/64"	100	30
PTG-0139	.642"	.706"	3'	5/64"	100	34
PTG-0142	.707"	.762"	3'	3/32"	100	46
PTG-0154	.948"	1.010"	3'	3/32"	100	58

These guards are gray in color.

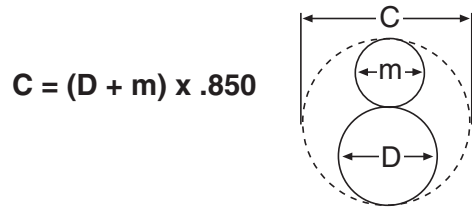


Tree Guards

GENERAL RECOMMENDATIONS

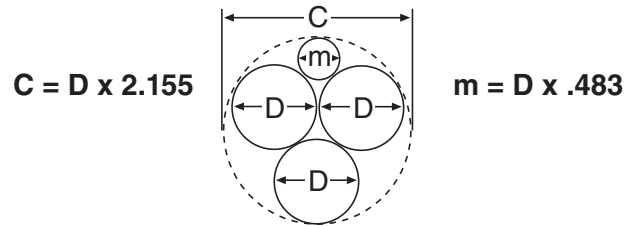
Size Selection: In selecting the proper size PVC Tree Guard it is necessary to determine the smallest circumscribing circle that will enclose the messenger and cables.

For grouping only one cable with messenger, add the diameters and multiply by a factor of .850.



$$C = (D + m) \times .850$$

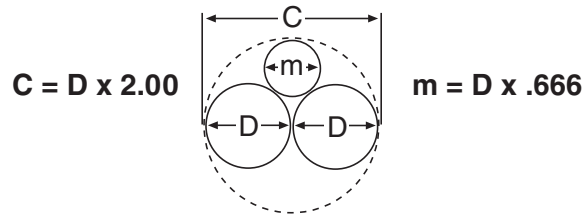
For grouping three equal diameter cables, multiply the diameter of one cable times 2.155. Then to find the diameter of the maximum messenger that will fit in the interstices of the cables multiply the diameter of one cable times .483.



$$C = D \times 2.155$$

$$m = D \times .483$$

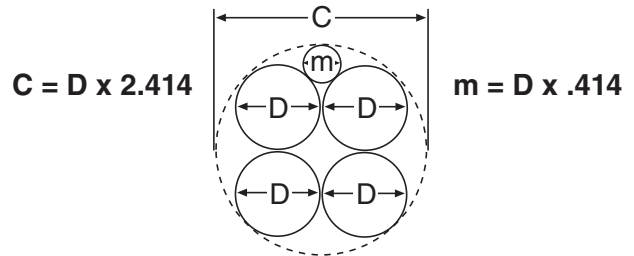
For grouping two equal diameter cables, multiply the diameter of one cable times 2.00. Then find the diameter of the maximum messenger that will fit in the interstices of the cables, multiply the diameter of one cable times .666.



$$C = D \times 2.00$$

$$m = D \times .666$$

For grouping four equal diameter cables; multiply the diameter of one cable times 2.414. Then to find the diameter of the maximum messenger that will fit in the interstices of the cables multiply the diameter of one cable times .414.



$$C = D \times 2.414$$

$$m = D \times .414$$

For grouping unequal diameter cables or messengers too large to fit into the interstices above, the minimum diameter grouping can best be determined by a graphic layout scale.