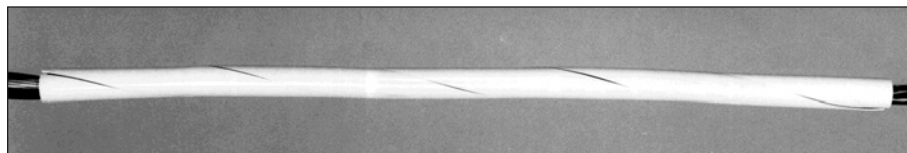
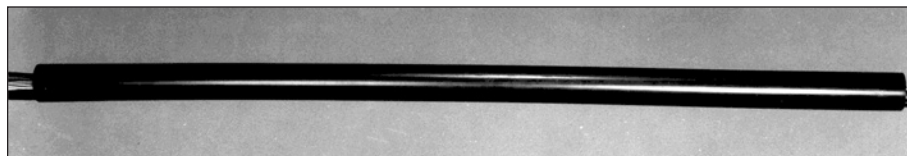


Tree Guards

NOMENCLATURE



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

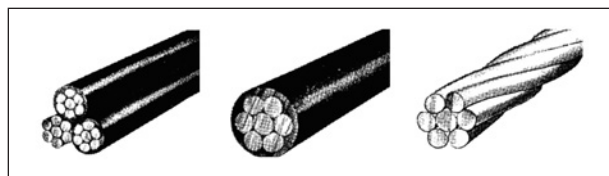
GENERAL RECOMMENDATIONS

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 ensure proper performance, they should be stored in cartons under cover and handled carefully.

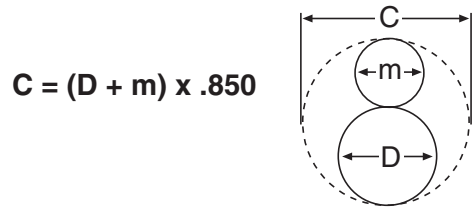


Tree Guards

GENERAL RECOMMENDATIONS

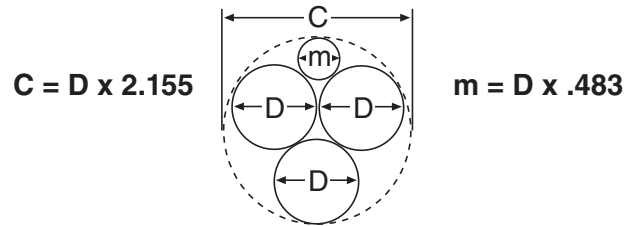
Size Selection: In selecting the proper size PVC Tree Guard it is necessary to determine the smallest circumscribing circle that will enclose the messenger and cables.

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



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

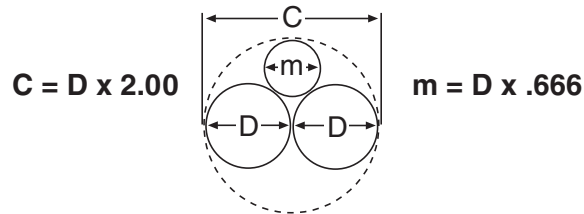
For grouping three equal diameter cables, multiply the diameter of one cable times 2.155. Then to find the diameter of the maximum messenger that will fit in the interstices of the cables multiply the diameter of one cable times .483.



$$C = D \times 2.155$$

$$m = D \times .483$$

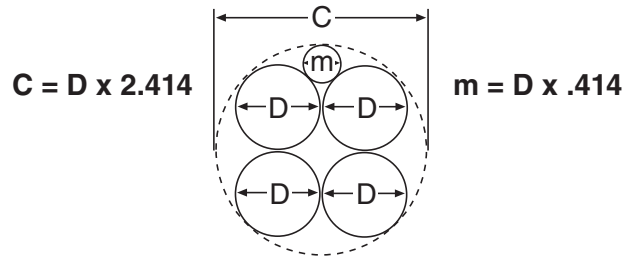
For grouping two equal diameter cables, multiply the diameter of one cable times 2.00. Then find the diameter of the maximum messenger that will fit in the interstices of the cables, multiply the diameter of one cable times .666.



$$C = D \times 2.00$$

$$m = D \times .666$$

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.

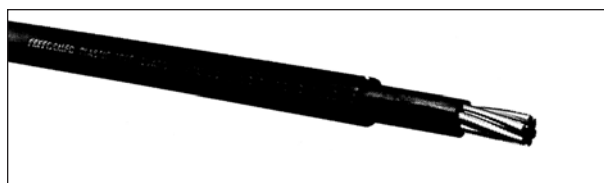
Tree Guards – PVC

6 Ft. Length

Spiral Split

For use on:

All Cables and Conductors



Catalog Number	Diameter Range (Inches)		Units	Weight (Lbs.)	Length (Feet)	Wall Thickness (Inches)
	Min.	Max.	Per Carton			
PTG-0101	.238	.266	100	24	6	1/16
PTG-0104	.267	.296	100	26	6	1/16
PTG-0107	.297	.328	100	28	6	1/16
PTG-0110	.329	.358	100	30	6	1/16
PTG-0113	.359	.389	100	32	6	1/16
PTG-0116	.390	.421	100	34	6	1/16
PTG-0119	.422	.453	100	36	6	1/16
PTG-0122	.454	.478	75	30	6	1/16
PTG-0125	.479	.511	75	32	6	1/16
PTG-0128	.512	.542	75	32	6	1/16
PTG-0131	.543	.568	75	44	6	5/64
PTG-0134	.569	.598	75	46	6	5/64
PTG-0137	.599	.641	75	48	6	5/64
PTG-0140	.642	.706	75	52	6	5/64
PTG-0143	.707	.762	50	46	6	3/32
PTG-0146	.763	.820	50	48	6	3/32
PTG-0149	.821	.882	50	52	6	3/32
PTG-0152	.883	.947	50	56	6	3/32
PTG-0155	.948	1.010	50	58	6	3/32
PTG-0158	1.011	1.074	50	62	6	3/32
PTG-0161	1.075	1.131	25	66	6	3/32
PTG-0164	1.132	1.194	25	36	6	3/32
PTG-0167	1.195	1.255	25	36	6	3/32
PTG-0170	1.256	1.328	25	38	6	3/32
PTG-0173	1.329	1.450	25	42	6	3/32
PTG-0176	1.451	1.578	25	46	6	3/32
PTG-0179	1.579	1.705	10	48	6	3/32
PTG-0182	1.706	1.832	10	50	6	3/32

EXPLANATORY NOTES:

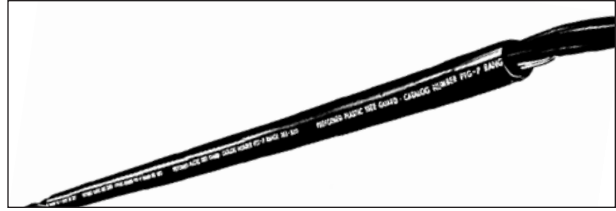
- (1) Nominal Size indicates one of various single or grouped conductors within each range. To select the proper size for two or more conductors not shown, refer to "General Recommendations," first page in this section.



Tree Guards

3 Ft. Length – PVC

For use on:
All Cables and Conductors



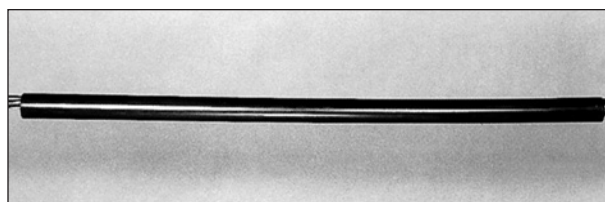
Catalog Number	Diameter Range (Inches)		Units Per Carton	Weight (Lbs.)	Length (Feet)	Wall Thickness (Inches)
	Min.	Max.				
PTG-0100	.238	.266	100	12	3	1/16
PTG-0103	.267	.296	100	14	3	1/16
PTG-0106	.297	.328	100	15	3	1/16
PTG-0109	.329	.358	100	16	3	1/16
PTG-0112	.359	.389	100	18	3	1/16
PTG-0115	.390	.421	100	18	3	1/16
PTG-0118	.422	.453	100	20	3	1/16
PTG-0121	.454	.478	100	20	3	1/16
PTG-0124	.479	.511	100	22	3	1/16
PTG-0127	.512	.542	100	24	3	1/16
PTG-0130	.543	.568	100	30	3	5/64
PTG-0133	.569	.598	100	30	3	5/64
PTG-0136	.599	.641	100	32	3	5/64
PTG-0139	.642	.706	100	34	3	5/64
PTG-0142	.707	.762	100	46	3	3/32
PTG-0145	.763	.820	100	50	3	3/32
PTG-0148	.821	.882	100	52	3	3/32
PTG-0151	.883	.947	100	56	3	3/32
PTG-0154	.948	1.010	100	58	3	3/32

EXPLANATORY NOTES:

- (1) Nominal Size indicates one of various single or grouped conductors within each range. To select the proper size for two or more conductors not shown, refer to “General Recommendations,” first page in this section.

Tree Guards – Polyethylene

**For use on:
All Cables and Conductors**



Catalog Number	Length	Inside Diameter (Inches)	Diameter Range (Inches)		Units	Wt./Lbs.
			Min.	Max.	Per Carton	
PTG-0200	8 in.	.5	.238	.500	1,000	35
PTG-0201	6 ft.		.238	.500	150	46
PTG-0202	8 in.	1	.501	1.00	500	34
PTG-0203	6 ft.		.501	1.00	60	39
PTG-0204	8 in.	1.5	1.01	1.50	250	30
PTG-0205	6 ft.		1.01	1.50	25	25
PTG-0206	8 in.	2	1.51	2.00	175	25
PTG-0207	6 ft.		1.51	2.00	20	26
PTG-0208	6 ft.	3	2.01	3.00	12	25